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BUCHANAN'S

19



43



FUNK'S "G" HYBRID
CORN

*Victory
in the Cornfield
means Victory
on the
Battlefield*

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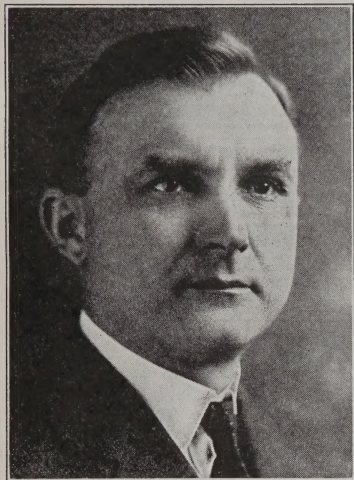


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of Freedom.*

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FREE DELIVERY BY MAIL—We pay postage on all Seeds quoted postpaid in this catalogue. The prices on the Yellow Price List are F. O. B. Memphis. Study the parcel post map, figure your postage and save money. Sending coins, bills, or stamps through the mail is safe and convenient.

NON-WARRANTY—R. B. Buchanan Seed Co., Inc., give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, plants, fertilizers, insecticides, etc., they send out and will not in any way be responsible for the crop. Purity and germination, when given, are the results of tests, but are without warranty. If the purchaser does not accept the goods on these terms, they are to be returned at once and the amount paid for them will be refunded.

January 1, 1943.

R. B. BUCHANAN SEED CO., INC.

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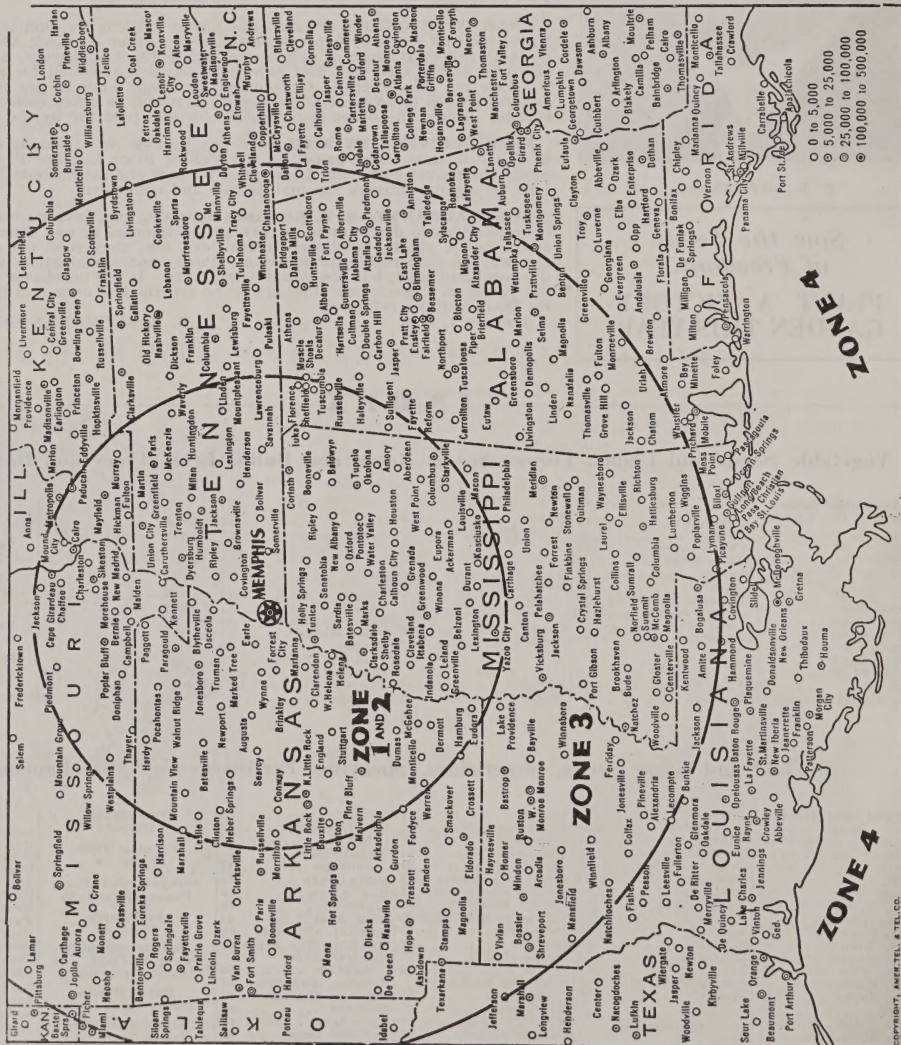
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PARCEL POST ZONE RATES

SAVE MONEY—By reading the instructions studying and referring to the Rate Table below, you can easily figure your postage on any amount up to 70 pounds. **See our Yellow Price List**, enclosed, showing prices **Not Prepaid**. Charges on parcel post shipments must be paid in advance. Add the amount for postage to the cost of merchandise and include it in your remittance when using yellow price list. We always return every penny you send over actual postage.

Parcel Post Zone Map from Memphis: Zones 1, 151 to 300 Miles, Zone 3, 301 to 600 Miles, Zone 5, 601 to 1,000 Miles, Zone 6, 1,001 to 1,400 Miles, Zone 7, 1,401 Miles to 1,800 Miles, Zone 8, all over 1,800 Miles.



Wt. Zone	1 & 2	3rd	4th	5th	6th	7th	8th
1	\$0.08	\$0.09	\$0.10	\$0.11	\$0.12	\$0.14	\$0.15
2	10	11	11	17	19	23	26
3	10	11	11	17	19	23	26
4	11	12	12	18	20	24	27
5	12	13	13	21	23	28	32
6	13	14	14	22	24	30	34
7	14	15	15	23	25	32	36
8	15	16	16	24	26	34	38
9	16	17	17	25	27	36	40
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13	20	21	21	29	31	44	48
14	21	22	22	30	32	46	50
15	22	23	23	31	33	48	52
16	23	24	24	32	34	50	54
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23	30	31	31	39	41	64	68
24	31	32	32	40	42	66	70
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29	36	37	37	45	47	76	80
30	37	38	38	46	48	78	82
31	38	39	39	47	49	80	84
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33	40	41	41	49	51	84	88
34	41	42	42	50	52	86	90
35	42	43	43	51	53	88	92
36	43	44	44	52	54	90	94
37	44	45	45	53	55	92	96
38	45	46	46	54	56	94	98
39	46	47	47	55	57	96	100
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FLOWER SEED PLANTING TABLE

This table is for middle South climate and conditions. Allowances must be made. It is only a general guide. Abbreviations: T, tender; H, hardy; H H, half hardy; A, annual; B, biennial; P, perennial. Months are numbered: 1, January; 2, February; etc. AN ANNUAL PLANT—The seed must be shown each year and after producing its blossom and seed the plant will perish. Examples: Asters, Salvia, Sweet Peas and Zinnias.

A BIENNIAL PLANT—Is one that maintains its vitality for two years or more, producing roots and leaves the first

year and fruit or blossoms the second season. Examples: Canterbury Bells, Digitalis and Sweet Williams.

A PERENNIAL PLANT—Is one that lives indefinitely and usually has a dormant season in which it loses its leaves and which puts on new growth the following growing seasons. Examples: Geranium, Carnation, Hollyhock and Delphinium.

NAME	Height of Plant	Shape of Plant	Color of Flowers	Good Cut Flowers	Best Use	Location Sun/Shady	Months to Plant	Months to Transpl't	Blooming Months	No. Seed to Ounce	No. Days to Germ.
Abronia, HHA	6-9 in.	trailing	yellow, pink.	no.	edging.	sunny.	4-5	thin	6-10	10,000.	10-15
Ageratum, HHA	8-24 in.	bushy	blue, white.	yes.	bedding.	sunny.	1-4	4-5	6-11	225,000.	5-10
Alyssum, HHA	2-12 in.	spreading	white.	fair.	edging.	sunny.	3-4	thin	5-11	60,000.	5-8
Antirrhinum, HA	18-24 in.	bushy	many	yes.	bedding.	any.	8-9	4-5	6-10	150,000.	8-12
Aquilegia, HP	24-48 in.	branchy	several	yes.	borders.	any.	3-5	4-5	5-6	17,500.	12-60
Arctotis, HA	18-24 in.	bushy	blue, white.	yes.	border	sunny.	3-5	4-5	6-11	no record.	
Asters, A.	12-30 in.	bushy	many	yes.	bedding.	any.	1-6	4-5	6-11	12,000.	5-10
Bachelor Button, TA	12-18 in.	bushy	purple, white.	yes.	bedding.	sunny.	4-5	thin	7-10	5,800.	10-15
Balsam, A.	18-30 ft.	erect.	orange fr.	no.	novelty.	sunny.	3-5	4-5	6-10	3,500.	8-10
Balsam Apple, A.	15 in.	vine.	orange fr.	no.	novelty.	sunny.	3-5	4-5	6-10	250.	30
Bellis, TP	6-8 in.	bushy	several	fair	edging.	any.	3-5	4-5	6-11	no record.	
Brachycome, HHA	12 in.	bushy	several	fair	edging.	any.	3-5	4-5	6-11	no record.	
Calceola, HA	12-36 in.	bushy	yellows	yes.	bedding.	sunny.	1-4	3-5	6-11	3,000.	5-10
Calliopis, HA	12-36 in.	bushy	yellows	yes.	bedding.	sunny.	1-4	thin	6-10	100,000.	8-10
Candytuft, HA	12-18 in.	bushy	many	fair	border	sunny.	3-9	thin	6-9	10,000.	5-10
Canterbury Bells, B	18-42 in.	bushy	red.	no.	climbing.	sunny.	3-5	4-5	6-7	no record.	
Cardinal Climber, HHA	25 ft.	vine.	red.	no.	climbing.	sunny.	3-5	4-5	6-7	no record.	
Carnation, P	18-36 in.	bushy	many	yes.	bedding.	sunny.	2-3	4-5	7-10	15,000.	10-15
Celosia, HHA	28-30 in.	bushy	red, yellow.	fair	bedding.	sunny.	3-5	thin	6-11	30,000.	8-10
Centurea, HA	24-36 in.	bushy	many	yes.	bedding.	sunny.	2-5	thin	6-9	7,000.	8-10
Chrysanthemum, A	24-36 in.	bushy	several	yes.	bedding.	sunny.	3-5	thin	7-11	10,000.	8-10
Clarkia, HA	15-30 in.	bushy	purple.	yes.	border	sunny.	3-5	thin	6-10	100,000.	10
Cobea Scandens, P	15-30 ft.	vine.	several	no.	climbing.	sunny.	3-5	4-5	6-8	no record.	
Corea, HP	12-24 in.	bushy	white.	no.	bedding.	sunny.	2-3	4-5	for lvs.	115,000.	10-15
Cornflower, HA	1-3 ft.	erect.	yellow.	yes.	bedding.	sunny.	2-4, 9	4-5-10	6-10	no record.	
Cosmos, A.	48-72 in.	bushy	several	yes.	bedding.	sunny.	11-12-1	5-10	4-5-6	7,000.	8-10
Cuphea Firefly, TA	10 in.	bushy	red.	no.	bedding.	sunny.	4-5	thin	7-11	5,500.	8-10
Cynoglossum, P	18-24 in.	bushy	blue.	yes.	border	sunny.	3-5	4-5, 10	5-7	7,200.	10-15
Cyrene, HA	10-18 ft.	vine.	red, white.	no.	climbing.	sunny.	4-5	thin	6-11	2,200.	10-20
Dahlia, TP	36-72 in.	bushy	many	yes.	bedding.	sunny.	2-3	4-5	7-11	3,000.	10-20
Daisy, HP	10-30 in.	bushy	white, pink.	yes.	edging.	any.	2-3, 8	3-4, 10	5-10	200,000.	8-10
Delphinium, P	36-60 in.	tall	blues	yes.	border.	sunny.	1-3, 8	3-4, 10	5-7, 10	15,000.	20
Dianthus, HA	12-15 in.	bushy	many	yes.	bedding.	sunny.	3-5	thin	5-10	no record.	5-10
Didiscus, TA	24-36 in.	slender.	blue	yes.	cutting.	shady	2-3	4-5	6-11	no record.	no record.
Dusty Miller, HP	10-12 in.	bushy	purple	no.	edging.	sunny.	6-9	thin	6-9	15,000.	5-10
Eschscholtzia, A	10-12 in.	bushy	several	yes.	bedding.	sunny.	3-5	thin	6-9	15,000.	5-10
Euphorbia, HA	2-4 ft.	bushy	many	yes.	edging.	sunny.	4-5	thin	4-5, 10	55,000.	10-15
Forget-Me-Not, TP	8-12 in.	bushy	blue, white.	yes.	edging.	sunny.	3-4	4-5	8-1	no record.	
Four O'Clock, HA	24-30 in.	bushy	many	no.	border	sunny.	3-4	4-5	7-9	200,000.	10-15
Fox Glove, HP	30-40 in.	erect.	many	yes.	bedding.	sunny.	2-3, 8	3-4-10	6-11	15,000.	10-15
Gallardia, TA	18-20 in.	bushy	red, gold.	yes.	bedding.	sunny.	2-4	4-5	4-10	no record.	
Geranium, HA	12-15 in.	erect.	several	yes.	bedding.	sunny.	3-4	4-5-8-9	5-11	no record.	
Gerbera, HHP	12-15 in.	tuffy, red to	blue	yes.	bedding.	sunny.	2-4, 7-8	4-5-8-9	6-10	no record.	
Gilia, A.	24-36 in.	bushy	yellow	yes.	bedding.	sunny.	3-5	thin	6-10	30,000.	6-10
Godetia, A.	12-18 in.	erect.	many	yes.	border	sunny.	4-5	thin	7-10	5,800.	10-15
Gomphrena, TA	12-18 in.	bushy	purple, white	yes.	bedding.	sunny.	4-5	thin	6 wks	25,000.	5
Gynopis, A.	18-24 in.	branchy	white	yes.	bedding.	sunny.	2-4	4-5	6-10	40,000.	5-10
Helichrysum, HA	24-36 in.	bushy	several	fair	bedding.	shady	2-5	4-5	5-11	55,000.	30
Heliotrope, TP	18-24 in.	bushy	several	yes.	border	moist	2-3, 8	3-4, 10	6-9	3,500.	10-30
Hollyhock, P	5-8 ft.	slender.	many	yes.	border	sunny.	3-4	thin	9-11	50,000.	10
Hyacinth Bean, TA	10 ft.	vining.	several	no.	climber.	any.	3-4	4-5	4-5	no record.	
Kochia, TA	36 in.	vine.	red	no.	border	sunny.	3-4	thin	6-10	no record.	
Kudzu, TA	50 ft.	vine.	purple	no.	shade	any.	3-4	4-5	6-10	14,000.	20
Lantana, A.	24-36 in.	branchy	many	yes.	bedding.	sunny.	2-5	thin	6-10	600.	60
Larkspur, A.	36-48 in.	tall	pink, white.	yes.	blanket.	sunny.	1-4	3-4	6-10	no record.	
Lathyrus, P	6-12 ft.	vine.	red-blue	no.	bedding.	sunny.	2-8-7-9	4-9	5-10	no record.	
Linum, HA and HP	12-30 in.	clump.	red-blue	no.	edging.	shady	3-4	3-5	6-10	700,000.	5-20
Lobelia, TA	6-8 in.	bushy	blue	fair	edging.	shady	4-5	4-5	6-9	1,800.	5-10
Lupine, HA	24-30 in.	erect.	several	yes.	bedding.	sunny.	3-5	4-5	6-11	9,000.	5-10
Marigold, HA	8-30 in.	bushy	white	yes.	bedding.	sunny.	3-4	thin	7-11	150,000.	10-12
Matricaria, HHP	18-24 in.	bushy	several	no.	shade	sunny.	3-5	thin	6-11	no record.	
Moon Flower, TA	20-30 ft.	vine.	many	no.	shade	sunny.	3-5	thin	6-11	1,500.	5-10
Morning Glory, A.	20-50 ft.	vine.	many	yes.	edging.	sunny.	4-6	thin	5-11	250.	8-10
Nasturtium, A.	12 in. 8 ft.	bush, vine	several	yes.	border.	sunny.	3-5	5	6-8	200,000.	5-10
Nicotiana, TA	30-42 in.	branchy	blue, white	yes.	border.	sunny.	3-5	thin	6-8	12,000.	10-15
Nigella, HA	18-24 in.	bushy	yellow	no.	border	sunny.	3-9	thin	5-9	no record.	
Oenothera, A.	36-48 in.	bushy	many	yes.	edging.	any.	1-3, 9	3-4, 10	4-6, 10	24,000.	8-10
Pansy, HA	4-6 in.	clump.	many	yes.	bedding.	any.	2-5	4-5	5-10	152,000.	8-10
Petunia, HA	18-24 in.	bushy	many	fair	bedding.	sunny.	3-4-7-9	3-5-9-10	6-9	15,000.	8-10
Pink, HA	12-18 in.	bushy	red pods.	yes.	drying.	sunny.	2-9	3-5-10	2nd yr	no record.	
Physalis, HP	18-24 in.	branchy	orchid.	yes.	bedding.	sunny.	1-4	thin	6-9	150,000.	15
Physostegia, HP	18-24 in.	erect.	many	no.	edging.	sunny.	4-5	thin	6-10	300,000.	8-10
Poppy, HA	24-60 in.	erect.	several	yes.	bedding.	sunny.	2-4-7-9	4-5-9-10	5-6	no record.	
Portulaca, TA	4-6 in.	spready	bronze lvs.	no.	massing	sunny.	4-5	thin	big lvs	50.	12-15
Portulaca, HP	12-24 in.	erect.	red, blue	yes.	bedding.	any.	3-5	4-5	6-11	125,000.	5-10
Ricinus, TA	5-10 ft.	bushy	many	yes.	bedding.	sunny.	3-5	4-5	6-11	19,000.	5-10
Salpiglossis, HHA	18-30 in.	bushy	many	yes.	bedding.	sunny.	3-5	4-5	6-11	5,000.	10-15
Salvia, A.	24-42 in.	bushy	red	no.	climbing.	sunny.	4-5	thin	6-10	no record.	
Scabiosa, HA	24-30 in.	bushy	many	yes.	pot, bed.	cool.	2-3	3-4	4-6	18,000.	3-10
Scarlet Runner, A	10-12 ft.	vine.	red	no.	climbing.	sunny.	3-5	4-5	6-8	no record.	
Schizanthus, TA	12-18 in.	bushy	many	yes.	bedding.	sunny.	11-12-1-5	thin	3-6	no record.	
Stocks, A.	24-30 in.	bushy	many	yes.	bedding.	sunny.	1-4	3-4	5-6	28,000.	5-10
Sweet Pea, HA	4-8 ft.	vine.	many	yes.	bedding.	sunny.	3-4	thin	6-9	1,800.	20-25
Sweet Sultan, HA	24-36 in.	bushy	several	no.	climbing.	sunny.	4-5	thin	6-11	no record.	
Sweet William, B	12-24 in.	bushy	blue	yes.	cutting.	sunny.	4-6	4-5	5-11	no record.	
Texas Bluebonnet, HA	24-30 in.	erect.	orange red.	yes.	bedding.	sunny.	2-4-9	4-5-10	7-11	no record.	
Thunbergia, HHA	4-5 ft.	vine	tergine.	yes.	cutting.	sunny.	4-6	4-5	5-11	no record.	
Thionia, A.	4-6 ft.	branchy	blue	yes.	bedding.	sunny.	2-4	4-5	7-11	no record.	
Torenia, TA	10-12 in.	bushy	orange red.	yes.	bedding.	sunny.	2-4-9	4-5-10	7-11	no record.	
Tritoma, HHP	3-4 ft.	erect.	orange.	yes.	bedding.	sunny.	3-4	4-5	6-10	no record.	
Venedium, HHA	24-36 in.	bushy	many	yes.	edging.	sunny.	2-5	3-5	6-10	10,000.	10-15
Verbena, HHP	6-10 in.	spready	pink, white.	fair	bedding.	sunny.	2-5	4-5	6-11	22,000.	10-12
Vinca, A.	15-18 in.	bushy	many	yes.	border.	any.	2-4-8-9	3-5-10-11	4-10	no record.	no record.
Vinca, HP	6 in.	bushy	many	yes.	bedding.	sunny.	3-5	4-6	6-11	4,000.	5-10
Zinnia, HHA	24-36 in.	bushy	many	yes.	bedding.	sunny.	3-5	4-6	6-11	4,000.	5-10

FIELD AND GARDEN SEED PLANTING TABLE

COMPLETE CULTURAL DIRECTIONS ARE ALSO
GIVEN UNDER EACH SEED HEADING

FIELD SEED	Lbs. Per Bu.	Depth to Sow Inches	Pounds Per Acre	Time of Seeding	Average No. Seed to Sow to Pound	Average Forage Yield to Acre	Average Lbs. Seed Yield to Acre
Alfalfa.....	60	1 to 1½	20 to 35	Feb. to May-Aug. to Nov.	232,000	6,000 to 10,000 lbs. of Hay	300 to 500 lbs.
Barley.....	48	1 to 2	72 to 100	Apr. to June-Sept.-Dec.	25,600	For Grazing.....	1,000 to 1,500 lbs.
Bermuda (Unhulled).....	40	½	8 to 15	March to August.....	1,800,000	For Grazing and Lawns.....	200 to 250 lbs.
Bermuda (Hulled).....	50	½	10 to 19	March to August.....	2,600,000	For Grazing and Lawns.....	200 to 250 lbs.
Blue Grass, Ky., for Lawn.....	10	¼ to ½	75 to 100	Mch. to May-Aug.-Nov.	2,608,000	For Lawns in Shade.....	140 to 160 lbs.
Blue Grass, Ky., for Pasture.....	10	¼ to ½	30 to 40	Mch. to May-Aug.-Nov.	2,608,000	2,000 to 3,000 lbs. of Hay.....	140 to 160 lbs.
Broom Corn.....	48	1 to 2	5 to 8	April to June.....	30,000	3,000 to 6,000 lbs. of Hay.....	200 to 600 lbs.
Clover, Alsike.....	60	¼ to 1	40 to 10	Feb. to May-Aug.-Nov.	680,000	2,000 to 5,000 lbs. of Hay.....	200 to 500 lbs.
Clover, Black Medick.....	60	¼ to 1	10 to 20	Feb. to March-Aug. to Dec.	294,000	Grazing and Improving Soil.....	100 to 400 lbs.
Clover, Burr in Burr.....	60	¼ to 1	10 to 15	July to Aug.-Sept.-Oct.	2,223,000	Grazing and Improving Soil.....	1,000 to 4,000 lbs.
Clover, Burr Hulled.....	60	¼	15 to 25	Aug. to Sept.-Oct.-Nov.	225,000	Pasturing, Grazing.....	200 to 600 lbs.
Clover, Crimson.....	60	1 to 1½	15 to 20	July to Aug.-Sept.-Oct.	150,600	Winter Pasture and Improving Soil.....	300 to 400 lbs.
Clover, Hop.....	60	¼ to ½	3 to 5	Sept. to April.....	894,000	Grazing and Improving Soil.....	200 to 400 lbs.
Clover, Red.....	60	¼ to 1	12 to 20	Feb. to Apr.-Aug.-Nov.	2,500	2,500 to 4,000 lbs. of Hay.....	100 to 300 lbs.
Clover, Sweet W. B.....	60	¼ to 1	15 to 25	Feb. to May-Aug. to Nov.	2,223,000	4,000 to 5,000 lbs. of Hay.....	150 to 400 lbs.
Clover, White Dutch.....	60	¼ to 1	3 to 5	Aug.-May.....	790,600	Pasture and Lawns.....	100 to 400 lbs.
Corn, Field.....	56	2 to 3	8 to 10	Mch. to July 15th.....	1,300	Depends on Seasons.....	1,000 to 5,600 lbs.
Corn, Pop.....	56	2 to 3	8 to 10	Mch. to July 15th.....	2,500	10 to 15 tons.....	1,000 to 1,600 lbs.
Corn, Silage.....	56	2 to 3	10 to 12	Mch. to July 15th.....	4,000	None.....	300 to 1,000 lbs.
Cotton, Seed.....	32	1 to 2	25 to 40	Apr.-May-June.....	14,000	Soil Building Legumes.....	400 to 600 lbs.
Crotalaria.....	60	1½ to 2	10 to 20	Apr. to July 15th.....	285,000	Hay and Pasture.....	200 to 600 lbs.
Grass, Dallas.....	10	¼ to 1	10 to 15	Mch.-Apr.-May.....	1,200,000	Pasture.....	100 to 400 lbs.
Grass, Carpet.....	18	¼ to 1	10 to 15	March to June.....	5,920,000	2,000 to 3,000 lbs. of Hay.....	100 to 160 lbs.
Grass, Orchard.....	14	¼ to 1	15 to 20	Feb. to May-Aug. to Nov.	320,000	Winter Pasture.....	400 to 600 lbs.
Grass, Kentucky.....	24	¼ to 1	25 to 40	Aug. to Jan.....	7,776,000	3,000 to 5,000 lbs. of Hay.....	100 to 200 lbs.
Grass, Red Top.....	32	¼ to 1	10 to 15	Feb. to May-Aug.-Nov.	62,800	4,000 to 6,000 lbs. of Hay.....	400 to 600 lbs.
Grass, Sudan.....	40	1 to 2	25 to 40	May to Aug. 15th.....	6,500,000	5,000 to 6,000 lbs. of Hay.....	None
Grass, for Lawns.....	25	¼ to 1	90 to 100	Anytime if Can Water.....	1,315,400	4,000 to 5,000 lbs. of Hay.....	200 to 500 lbs.
Grass, Timothy.....	45	¼ to 1	15 to 20	Feb. to Apr.-Aug.-Nov.	1,500,000	Grazing.....	None
Grass, Pasture Mixture.....	45	¼ to 1	15 to 20	Feb. to Apr.-Aug.-Nov.	30,000	4 to 10 tons Forage.....	20 to 40 bu.
Hegari.....	50	1 to 2	4 to 8	Apr.-May-June-July.....	20,800	6,000 to 8,000 lbs. of Forage.....	20 to 40 bu.
Kaffir, Milo, Grohoma.....	50	1 to 2	4 to 8	Apr.-May-June-July.....	200,000	2 to 4 tons.....	300 to 1,000 lbs.
Lepedeza, Common.....	25	¼ to 1	20 to 30	Jan. to May.....	150,000	Depending on Season and Grazing Before Last Cutting.....	400 to 800 lbs.
Lepedeza, Kobe.....	25	¼ to 1	25 to 30	Jan. to May.....	231,800	2 to 4 tons Hay.....	300 to 1,000 lbs.
Lepedeza, Kentucky.....	25	¼ to 1	25 to 30	Jan. to May.....	179,000	4,000 to 6,000 lbs. of Hay.....	100 to 200 lbs.
Lepedeza, Tenn. 76.....	25	¼ to 1	25 to 30	Jan. to May.....	1,500	4,000 to 6,000 lbs. of Hay.....	600 to 1,000 lbs.
Lepedeza, Sericea.....	60	¼ to 1	15 to 20	Early Spring After Frost.....	25,000	4,000 to 5,000 lbs. of Hay.....	1,200 to 1,800 lbs.
Millet, German.....	50	¼ to 1	40 to 50	May-June-July-Aug.....	700	2 to 4 tons of Hay.....	500 to 800 lbs.
Millet, Pearl.....	50	¼ to 1	5 to 10	Early Spring After Frost.....	3,100	4,000 to 6,000 lbs. of Hay.....	500 to 800 lbs.
Mung Beans.....	32	1 to 2	60 to 95	May-June-July-Aug.....	29,100	6 to 10 tons of Green Forage.....	600 to 800 lbs.
Oats.....	32	1 to 2	64 to 96	Feb.-Apr.-Sept.-Nov.	28,950	10 to 12 tons of Green Forage.....	800 to 1,000 lbs.
Peanuts.....	22	2 to 3	50 to 75	Apr.-May-June-July.....	20,500	Winter Pasture.....	1,000 to 3,000 lbs.
Peas, Aus-Winter.....	60	2 to 3	25 to 40	Aug.-Sept.-Oct.-Nov.	23,000	3 to 5 tons of Forage.....	None
Peas, Stock.....	60	2 to 3	60 to 120	Apr.-May-June-July.....	23,000	4 to 6 tons of Forage.....	1,000 to 3,000 lbs.
Peas, Dwarf Erect.....	60	2 to 3	60 to 120	Feb.-Apr.-Sept.-Nov.	20,000	100 to 200 gallons syrup.....	20 to 35 bu.
Rye, Grain.....	56	1 to 2	60 to 90	Apr.-May-June-July.....	21 to 2,500	3 to 4 tons of Hay.....	20 to 35 bu.
Sage.....	50	1 to 2	4 to 8	Apr.-May-June-July.....	6,400	2 to 4 tons of Hay.....	1,000 to 2,000 lbs.
Sorghum, Forage.....	50	1 to 2	50 to 75	Apr.-May-June-July.....	15,000	Soil Building Legume.....	2,000 to 4,000 lbs.
Sorghum, Drilled.....	50	1 to 2	10 to 12	Apr.-May-June-July.....	14,500	Winter Pasture and Grain.....	1,200 to 2,400 lbs.
Sorghum, Dwarf Erect.....	50	1 to 2	60 to 90	Apr.-May-June-July.....			
Soy Beans, Small.....	60	1 to 2	20 to 60	Apr.-May-June-July.....			
Soy Beans, Large.....	60	1 to 2	30 to 90	Apr.-May-June-July.....			
Sunflower, Large.....	24	1 to 2	8 to 10	May-June-July.....			
Velvet Beans.....	60	3 to 4	20 to 60	Sept.-Oct.-Nov.-Dec.			
Vetch, Hairy.....	60	2 to 3	60 to 90	Sept.-Oct.-Nov.-Dec.			
Wheat, Smooth.....	60	2 to 3	60 to 90	Sept.-Oct.-Nov.-Dec.			

GARDEN SEED	Seed for 100 ft. Row	Seed for 1 Acre	Time of Planting	Put Rows Apart	Leave Plts. Apart in Row	Crop Matures in About	Depth of Planting
Asparagus.....	1 oz.	4 to 5 lbs.	Mar.-Apr.	14 to 18 in.	3 to 6 in.	3 Years	1 inch
Beans, Bush.....	1 lb.	60 lbs.	March to September.....	3 ft.	6 in.	2 to 3 Months.....	2 inches
Beans, Pole.....	¼ lb.	30 lbs.	April to August.....	3 ft.	1½ ft.	3 to 4 Months.....	2 inches
Beet, Table.....	2 oz.	10 lbs.	March to August.....	2 ft.	4 in.	2 to 3 Months.....	¼ inch
Beet, Stock.....	2 oz.	8 lbs.	April, May and June.....	2½ ft.	1 ft.	4 to 6 Months.....	1 inch
Broccoli.....	1 lb.	4 to 4 T.	July, Aug. or Feb.-Mar.	2½ ft.	1½ ft.	4 to 6 Months.....	1 inch
Brussels Sprouts.....	1 Pkt.	4 oz. T.	July, Aug. or Feb.-Mar.	2½ ft.	1 ft.	4 Months.....	¼ inch
Cabbage, Early.....	1 Pkt.	6 oz. T.	Early Spring, Early Fall.....	2½ ft.	1½ ft.	3 to 4 Months.....	¼ inch
Cabbage, Late.....	1 Pkt.	4 oz. T.	Mar., April, July, Aug.	2½ ft.	3 to 4 in.	4 to 5 Months.....	¼ inch
Carrot.....	1 oz.	4 lbs.	Early Spring, Early Fall.....	20 in.	3 to 4 in.	3 to 4 Months.....	¼ to ½ inch
Cauliflower.....	¼ oz.	8 lbs.	Early Spring, Early Fall.....	3 ft.	4 to 6 in.	4 Months.....	¼ inch
Celery.....	1 Pkt.	6 oz. T.	January to April.....	3 ft.	6 to 8 in.	4 to 5 Months.....	¼ inch
Chicory.....	2 Pkts.	3-4 lbs.	Mar.-Sept.....	24 in.	4-8 in.	2 to 3 Months.....	¼ inch
Collards.....	1 Pkt.	8 oz. T.	February to August.....	30 in.	18 in.	4 Months.....	¼ inch
Corn, Sweet.....	¼ lb.	10 lbs.	March to September.....	36 in.	12 in.	2½ to 3 Months.....	1 inch
Cucurbit.....	2 Pkts.	4 lbs.	April to August.....	3 ft.	6 in.	4 Months.....	¼ inch
Egg Plant.....	1 Pkt.	6 oz. T.	February to June.....	30 in.	2 ft.	4 Months.....	¼ inch
Endive.....	¼ oz.	2 lbs.	March and August.....	20 in.	12 in.	3 Months.....	¼ inch
Kale.....	1 oz.	4 lbs.	February to October.....	2 ft.	6 in.	2 to 3 Months.....	¼ inch
Kohlrabi.....	1 Pkt.	4 lbs.	Mar. to May, Aug.-Sept.	2 ft.	6 in.	3 Months.....	¼ inch
Leek.....	¼ oz.	10 lbs.	Mar.-Apr.-Sept.....	20 in.	4 in.	4 Months.....	¼ inch
Lettuce.....	¼ oz.	3 lbs.	Feb. to May, July, Oct.	24 in.	8 in.	2 to 3 Months.....	¼ inch
Melons, Musk.....	2 Pkts.	1½ lbs.	April to July.....	8 ft.	4 ft.	3 to 4 Months.....	1 inch
Melons, Water.....	1 oz.	2 lbs.	April to July.....	8 ft.	4 ft.	3 to 4 Months.....	1 inch
Mustard.....	1 Pkt.	5 lbs.	Early Spring, Early Fall.....	18 in.	1 to 2 in.	4 to 5 weeks.....	¼ inch
Okra.....	1 oz.	8 lbs.	April to July.....	3 ft.	1 ft.	4 Months.....	1 inch
Onion Seed.....	¼ lb.	4 lbs.	Early Spring, Early Fall.....	20 in.	4 in.	4½ to 6 Months.....	1 inch
Onion Sets.....	2 lbs.	300 lbs.	Spring, Fall.....	20 in.	4 in.	2 to 4 Months.....	1 inch
Parsley.....	¼ oz.	4 lbs.	Spring, Fall.....	20 in.	3 in.	3 Months.....	¼ inch
Parsnips.....	1 oz.	6 lbs.	March to June.....	24 in.	4 in.	4 Months.....	¼ inch
Peas, Garden.....	1 lb.	75 lbs.	March to May.....	36 in.	3 in.	4 to 5 Months.....	2 inches
Peas, Dwarf.....	1 Pkt.	6 oz. T.	January to July.....	36 in.	18 in.	3 to 4 Months.....	¼ inch
Potatoes, Irish.....	5 lbs.	600 lbs.	Early Spring, Early Fall.....	36 in.	15 in.	3 Months.....	5 inches
Potatoes, Sweet.....	70 Plants	10000 P.	April to July.....	36 in.	15 in.	3 to 4 Months.....	1 inch
Pumpkin.....	2 Pkts.	2 lbs.	April to July.....	10 ft.	8 ft.	2 to 4 Months.....	1 inch
Radish.....	1 oz.	10 lbs.	Early Spring, Early Fall.....	18 in.	2 in.	3 to 4 Months.....	¼ inch
Rhubarb.....	33 Roots	3000 P.	Spring and Fall.....	20 in.	3 in.	New Spring.....	2 inches
Salsify.....	2 oz.	8 lbs.	March to June.....	20 in.	3 in.	4 Months.....	1 inch
Spinach.....	1 oz.	15 lbs.	Early Spring, Early Fall.....	20 in.	3 in.	35 to 60 days.....	1 inch
Squash.....	1 oz.	3 lbs.	April to August.....	4 ft.	3 ft.	2 Months.....	1 inch
Tobacco.....	1 Pkt.	1 to 2 oz.	January and February.....	3½ to 4 ft.	3 ft.	October.....	¼ inch
Tomato, Seed.....	1 lb.	1 to 2 oz.	February to August.....	4 ft.	4 to 5 Months.....	4 to 5 Months.....	¼ inch
Tomato, Plants.....	35 Plants	4000 P.	April to July.....	4 ft.	3 ft.	2 to 3 Months.....	1 inch
Turnip.....	1 oz.	3 lbs.	February to October.....	20 in.	4 in.	1 to 2 Months.....	¼ inch
Turnip, Swede or Rutabaga.....	1 oz.	3 lbs.	June to August.....	20 in.	6 in.	3 to 4 Months.....	¼ inch

(Page 4) T. in the quantity column means these varieties are to be sown in hot bed and transplanted to the field.



BUCHANAN'S VEGETABLE PLANTS

All prices on this page are post paid and must be paid in advance, as we do not ship plants C. O. D. either by Parcel Post or Express. We grow millions of plants; get our prices when wanted in large quantities.

These plants grown in Memphis by our grower of 30 years' experience.

HOME GROWN CABBAGE PLANTS (Ready March 10th).
Prices: 100, 40c; 200, 70c; 500, \$1.40; 1,000 \$2.50, post paid.

PEPPER PLANTS (Ready March 25th)—Bull Nose, Chinese Giant, Calif. Wonder, Red Cayenne.
Doz., 25c; 25, 50c; 50, 75c; 100, \$1.35

LETTUCE PLANTS (Ready March 1st)—Big Boston, Wonderful.
50, 35c; 100, 55c; 200, 95c; 500, \$1.95; 1,000, \$3.25

BET PLANTS (Ready March 1st)—Early Wonder, Crosby's Egyptian, Detroit Dark Red.
50, 35c; 100, 60c; 200, \$1.00; 500, \$1.95; 1,000, \$3.25

TOMATO PLANTS (Ready March 25th)—Grown from certified seed when obtainable. Marglobe, Ponderosa, Gulf State, Early Detroit, Earliana, Rutgers and Master Marglobe.
Doz., 30c; 25, 50c; 50, 75c; 100, \$1.00; 500, \$3.00; 1,000, \$5.00

CELERY PLANTS (Ready March 15th)—Golden Self Blanching. Doz., 15c; 25, 25c; 50, 40c; 100, 70c; 200, \$1.25

CALIFLOWER PLANTS (Ready March 15th)—Extra Early Snowball.
Doz., 25c; 25, 40c; 50, 75c; 100, \$1.25; 200, \$2.25

EGG PLANTS (Ready April 15th)—Black Beauty.
Doz., 30c; 25, 50c; 50, 75c; 100, \$1.35

BUCHANAN'S GENUINE FROST-PROOF CABBAGE PLANTS

For Quantity Prices—Not Prepaid—See Yellow Sheet in Center of Catalogue

You will have very early cabbage by setting Buchanan's Frost-Proof Cabbage Plants. We begin shipping them January 1st, and continue through January, February and March.

BUCHANAN'S GENUINE FROST-PROOF CABBAGE PLANTS will be somewhat wilted and have a hard, stunted appearance when you receive them. Do not let this disappoint you. Plant them; the crop will not be disappointing. They are the genuine open field Frost-Proof Plants. Set cabbage in rows 30 inches apart, 15 to 20 inches in row, 10,000 to 14,000 to acre. All prices on cabbage plants are subject to crop conditions and market changes. Varieties: Early Jersey and Large Charleston Wakefield, Succession and Early Flat Dutch.

Prices—100, 40c; 200, 70c; 500, \$1.40; 1,000, \$2.50; post paid

BUCHANAN'S BERMUDA ONION PLANTS

For Quantity Prices—Not Prepaid—See Yellow Sheet in Center of Catalogue

We begin shipping about January 1 and continue through March. Set in rows 24 inches apart; plants 6 to 8 inches apart in row; requires about 44,100 plants to acre. They are not expensive and may be used as small green onions or, if left to mature, will produce large, delicious, mild onions.

YELLOW BERMUDA—The original Bermuda Onion. Skin straw-colored, flesh white, tender and mild. Medium size, flat, early maturing.

CRYSTAL WHITE WAX BERMUDA—No other onion has such clear, white skin, such mildness of flavor. It is deliciously tender and crisp. Especially desirable for salads. The most popular of all onions.

Price, Either Variety—100, 25c; 200, 40c; 500, 95c; 1,000, \$1.50; post paid

BUCHANAN'S STATE CERTIFIED SWEET POTATO SLIPS

Set in rows 3 feet apart; plants 12 inches apart. It takes about 10,000 plants for each acre. For a home garden 1,000 slips will make you a nice patch. We begin shipping Sweet Potato Slips April 10, weather permitting.

NANCY HALL—Maintains its popularity because of large yields and unsurpassed keeping and shipping qualities. One of the earliest maturing sweet potatoes.

PORTO RICO YAMS—It is fine-grained, juicy, and deliciously sweet. Its golden red color and excellent flavor make it the most desirable sweet potato for home use and it brings a premium on all markets.

Price, Either Variety—100, 50c; 200, 80c; 500, \$1.65; 1,000, \$3.00; post paid

BUCHANAN'S ROOTS AND HERBS

WASHINGTON ASPARAGUS ROOTS—Plant these extra large roots and save 1½ to 2 years' time in having your bed ready for cutting. Set the roots in permanent beds, using rich soil thoroughly prepared and worked very deep. Set 6 inches deep and 24 inches apart in rows 4 to 6 feet apart.
Doz., 40c; 25, 70c; 50, \$1.15; 100, \$2.10

RHUBARB ROOTS—Should be set in well-enriched moist soil at least 4 feet apart each way. Our variety best adapted to the South. Each, 15c; 3, 40c; 6, 65c; doz., \$1.00; 25, \$1.90

HORSERADISH ROOTS—Set the roots, small end down, with tops 2 inches below surface, about 18 inches apart in rows 3 feet apart. Cultivate well until leaves cover the ground.
Doz., 45c; 25, 80c; 50, \$1.45; 100, \$2.75

For flavoring soups, meats. All Herbs, except Sage—Pkt., post paid, 10c; 3 for 25c.

SWEET BASIL—Seeds and stems have strong flavor; used in soups and sauces.

CHIVES SEED—The onion-flavored tops are used in salads and soups. Perfectly hardy.

DILL—The dry branches and seed are used extensively for flavoring dill pickle. The young stems for flavoring soups and sauces. Ounce, 20c.

MARJORAM, SWEET—Leaves and shoots used for flavoring. Dry for winter use. Pkt., 25c.

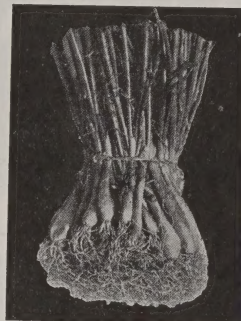
ROSEMARY—Leaves used for flavoring meats and soups.

SAGE SEED—Largely used for seasoning dressings and sausage. Pick leaves when half grown; dry, and powder them. Pkt., 25c; ½ oz., 90c.

THYME—Leaves and shoots deliciously flavor meats and sausage. Pkt., 25c.



Frost-Proof Cabbage Plants



Onion Plants



Sweet Potato Slips



BUCK BRAND TESTED SEEDS

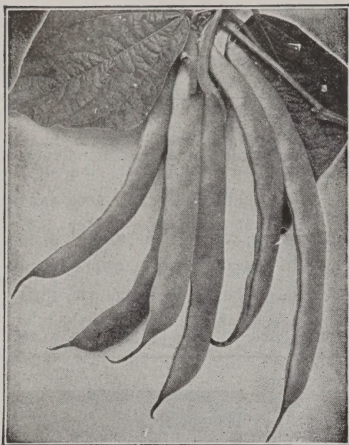
BUSH SNAP BEANS

Beans are sensitive to both cold and wet, so do not plant till the ground is warm. To have a continuous supply, plant every two weeks until September; further South they may be planted even later. Make the rows 24 to 30 inches apart, drop the beans 2 inches apart and cover $1\frac{1}{2}$ to 2 inches deep. Give frequent but shallow cultivation up to blossoming time, not afterward, and never when the plants are wet. Plant in a light, loamy soil that warms up quickly. One pound plants 100 feet.

FIELD PLANTING—In rows 2 feet apart; 1 bushel (60 lbs.) to acre. Ready in 6 or 7 weeks.

All Prices on This Page Post Paid

Quantity Prices—Not Prepaid—See Yellow Price List Enclosed



Stringless Green Pod or Tendergreen



Giant Stringless

INOCULATE ALL GARDEN BEANS
WITH NITRAGIN
GARDEN SIZE 10c; POST PAID



U. S. Refugee No. 5

37—IMPROVED EXTRA EARLY RED VALENTINE—(47 days)—A standard variety, extra early. The pods are produced in large clusters on erect plants. It is very prolific and reliable. The pods are of medium length, and about $4\frac{1}{2}$ inches long, medium green color, curved, cylindrical, with crease in back, very fleshy, crisp and tender. When the young plants have to contend with adverse weather conditions, no other dwarf bean is more certain than the Red Valentine is to set pods.

40—BURPEE'S STRINGLESS GREEN POD—Our Stock Truly an Improved Strain—(47 days)—This special strain stringless and fiberless from the first pods until full grown. The pods are longer, straighter, meatier and of better flavor than the average Burpee beans on the market. It is also a heavier yielder and due to its excellent quality it is unsurpassed for canning.

41—STRINGLESS BLACK VALENTINE—(43 days)—Definitely stringless. It is perfect for the home gardener or trucker. The attractive green pods are nearly round, long, straight, very tender, and of good flavor. This bean is early, a vigorous grower, and one of the most prolific; splendid shipper. Due to its hardiness can be planted earlier in the spring and later in the fall than most other beans.

42—NEW STRINGLESS GREEN POD OR TENDERGREEN—Similar to Full Measure, but hardier, and a more dependable cropper. Plant medium large, erect, somewhat thick stemmed, heavily productive. Pods nearly straight, dark green, round, meaty, succulent; absolutely stringless, totally without fiber, of outstanding quality. Good variety for canning or shipping.

Post Paid—Pkt., 10c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 2 lbs., 65c; 5 lbs., \$1.35

44—GIANT STRINGLESS GREEN POD—(54 days)—This is a very desirable green-podded variety for the home garden, and also for truckers. The handsome round pods are 6 to 7 inches long, dark green in color, brittle and perfectly stringless. It is one of the most productive sorts and can be picked in one-third the time of any other variety. This bean is excellent for near or distant markets.

45—FULL MEASURE—(55 days)—Has every qualification required of a really first class bean. It has earliness; it is one of the most abundant bearers, and bears for a long season; it is entirely stringless, and the round 6 inch pods are very fleshy, firm and tender. For the home garden, as well as for market, it is hard to imagine a finer bean. A good variety for canning.

38—TENNESSEE GREEN POD—(52 days)—A very hardy and healthy bean. Desirable for local market and is resistant to adversity. A good yielder of large, long, flat pods. Very thick meat with texture and flavor almost equal to pole beans. Not entirely stringless, but a very desirable all-purpose bean.

39—U. S. REFUGEE No. 5—(63 days)—Introduced in 1935 by U. S. Dept. of Agriculture and has proven to be an outstanding bean. Medium early, resistant to disease. Plant large, very spreading, heavily productive. Pods medium long, round, straight, stringless and fiberless. Unusually desirable for canning. Adapted to spring or late summer planting and probably has no equal for the fall garden.

DWARF WAX BEANS

58—IMPROVED GOLDEN WAX—(49 days)—One of the best wax beans, golden yellow pod, excellent flavor. Pods are medium length, straight and oval. Strictly stringless, rust-resistant, fleshy, very brittle and tender.

59—SURE CROP STRINGLESS WAX—(53 days)—The finest wax bean ever introduced. It is very prolific and of the finest eating qualities. The handsome rich looking yellow pods are 6 to 7 inches long, very thick, very meaty and sweet flavored; stringless at all stages of growth. Plants are upright in growth, healthy and vigorous. Adapted for home garden, local and distant market. Seeds jet black.

PRICES ON ALL THE ABOVE BEANS EXCEPT
WHERE OTHERWISE PRICED

Post Paid—Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 60c;
5 lbs., \$1.20.

EDIBLE SOY BEANS—See page 22



POLE SNAP BEANS

Pole Beans produce a greater supply of beans in a smaller space as compared with Bush Beans. They are even more tender than most bush varieties.

CULTURE—Set 6- to 8-foot poles every 3 feet in 3-foot rows, and plant 4 to 5 beans, about 2 inches deep, around each pole. When well started, thin to three strongest. A packet plants 40 hills; 1 pound to 150 hills; 30 pounds ($\frac{1}{2}$ bushel) to an acre. May also be planted thicker in rows and supported by a wire fence. For this method plant seed 2 feet apart sowing 300 feet with a pound of seed. Top dress with good fertilizer or manure; work it in as you cultivate. Save time, labor and space by planting pole beans in all corn, when the corn is about 1 foot high.

INOCULATE ALL BEANS TO INCREASE YIELDS AND ENRICH YOUR SOIL

SPECIAL SNAP BEAN COLLECTION

80c

$\frac{1}{2}$ lb. U. S. Refugee No. 5 $\frac{1}{2}$ lb. Striped Cornfield
 $\frac{1}{2}$ lb. Stringless Black Valentine $\frac{1}{2}$ lb. Kentucky Wonder

VALUE—POSTPAID TO YOU FOR ONLY.....

60c

All Prices on This Page Post Paid

Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

69—DECATUR (60 days)—Early Maturing—All America Silver Medal Winner for 1942. Plant vigorous, hardy and resistant to disease, therefore, bears over a long period. Pods about 6 inches long, almost round, straight, beautiful dark green color, stringless, and superlative quality. When mature, the pure white dried beans prove their excellence for baking and soups because of their tenderness and appetizing flavor.

Pkt., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50

67—KENTUCKY WONDER—Improved Strain—(65 days)—Pods thicker, more nearly round, meaty, tender, practically stringless and grow 8 to 10 inches long. Very hardy, a strong climber and is the most prolific pole, snap bean to plant any time from April to August; if closely picked will continue bearing until frost. No bean surpasses it in general quality and flavor.

64—KENTUCKY WONDER WAX—(68 days)—The most popular wax podded pole variety. Plant vigorous, good climber, productive. Pods waxy yellow, flat, nearly stringless, meaty.

65—McCASLAN—(65 days)—An astonishing yielder of large, rich, deep green pods 8 to 10 inches in length, stringless, meaty, and of delicious flavor. If kept closely picked, vines continue to bear until frost. When allowed to ripen the white shell beans are excellent for winter use.

66—STRIPED SCOTIA OR CORNFIELD—(72 days)—A superb green bean, succeeding better when planted in corn than any other variety because of its vigor and free climbing habits. The handsome green pods average 8 or 9 beans to the pod, grow very uniform, about 7 inches long, thick meated, rich and buttery. It continues in bearing so long it might be called "Everbearing." Specially adapted to growing on corn, thus economizing space on valuable land.

68—WHITE CREASEBACK OR SOUTHERN CORNFIELD—(68 days)—Splendid snap beans for home garden and early market. Good climber, heavily productive. Pods light green, round, 6 inches long, nearly stringless, very fleshy, brittle, tender. The mature white beans are excellent for baking.

71—WHITE KENTUCKY WONDER (Green Pod)—(64 days)—The pods are large and fill perfectly, and in the "snap" stage are deep green in color, meaty, stringless and of the finest flavor. It is resistant to rust and bears over a long time. When allowed to ripen the shell beans of pure white are most excellent for winter use.

72—IDEAL MARKET—(58 days)—Especially desirable for Southern planting, being the earliest pole bean yet developed. Plant is hardy, vigorous and a good climber. Pods about 6 in. long, round, meaty and tender. Stringless when young. Good for home gardens and long distance shipping.

PRICES ON ALL THE ABOVE BEANS EXCEPT WHERE OTHERWISE PRICED

Post Paid—Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.20

SHELL OR SOUP BEANS

These are grown to use as dried beans during the winter, for baking and making soup. Plant in May and June, using 30 to 60 pounds to the acre. Plant in 3-foot rows and cultivate well. One pound drills 150 to 200 feet of row.

62—GREAT NORTHERN BEANS (Pole)—Well suited to heavy soils. Beans slightly larger than the Navy Bean; snow white and of splendid cooking quality.

63—RED KIDNEY BEANS (Bush)—Pods 6 inches long, filled with large, kidney-shaped red beans of the richest flavor.

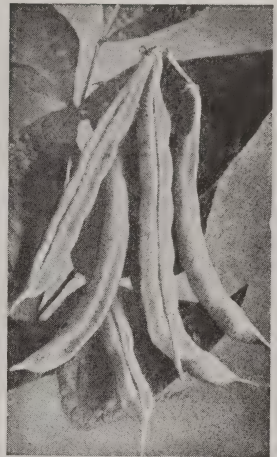
61—WHITE NAVY (Bush)—An improved strain, more resistant to disease, more vigorous and a better producer. The bean that made "Pork and Beans" famous.

81—PINTO BEANS (Bush)—Probably best adapted soup bean for the South. Grown extensively for dry shell beans for winter use. Plant these and save on your grocery bill.

Price Either Variety—Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.40

EVERY GARDENER SHOULD KNOW—That Garden Peas and Beans belong to the Legume family and when inoculated, they will grow off better, are most resistant to drouth and give a larger yield.

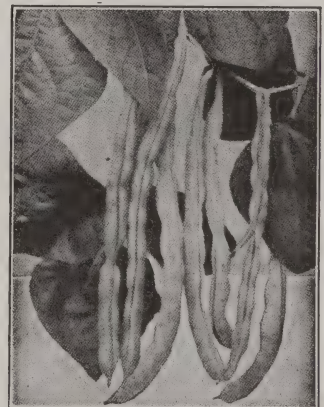
Garden size inoculation, sufficient for four to six pounds of seed—10c, post paid.



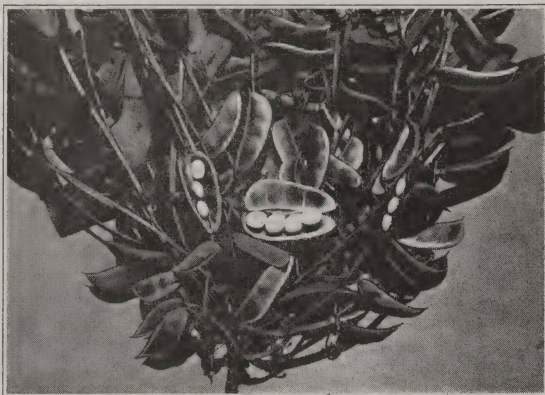
Ideal Market



Kentucky Wonder



White Kentucky Wonder



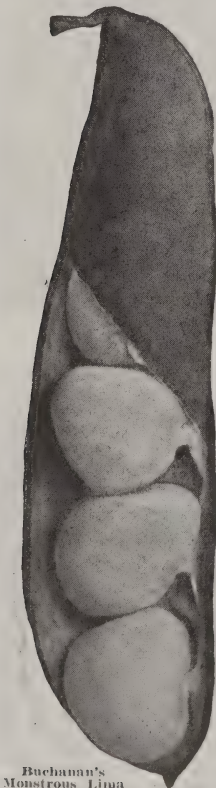
Baby Potato Lima Bean

BEAN COLLECTION

Contains ½ lb. of the following four varieties:

Burpee Stringless
Decatur Pole
Baby Potato
Carolina or Sieva.

Value 90c. Post paid for 65c

Buchanan's
Monstrous Lima

freshness so much sought in green vegetables. Dry beans creamy white; unexcelled for canning and local market.

46—JACKSON WONDER BUSH LIMA (or Florida Speckled Bush Butter Bean)—(65 days)—Originated in the South where many gardeners prefer it to other bush limas since it has proven more drought resistant and bears heavily over a long period. This is a sure cropper and a rich, distinctly flavored bean.

Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.20

48—FORDHOOK BUSH LIMA—(75 days)—The bush is erect, holding the pods off the ground, so that they are not injured by wind or rain. This bean is famed for its distinct large size and appealing flavor. The pods, which are produced in clusters, each contain 4 or 5 large, fat beans of exceptionally fine quality.

Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 75c; 5 lbs., \$1.45

POLE LIMA OR BUTTER BEANS

CULTURE—Lima Beans are not as hardy as Snap Beans and should not be planted before the ground is warm and frost is over. For the tall varieties, set 6- to 8-foot poles firmly in the center of the hills 3 feet apart in 4-foot rows before the seeds are planted. Cover the beans 1½ inches deep; cultivate only when the vines are dry. One pound of the large seeded varieties plants about 70 hills; 60 pounds to the acre. One pound of the small seeded varieties plants about 150 hills; 30 pounds to the acre.

78—CAROLINA SIEVA OR SMALL LIMA—(77 days)—Grown extensively in the South where it is known as "Butter Bean." The plants are vigorous, productive, and bear very early. A continuous bearer, furnishing the most tender and delicious beans, and is very drouth resistant. The most popular pole butter bean for the South.

Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.20

79—FLORIDA SPECKLED BUTTER BEANS (Calico Lima)—(80 days)—This true pole lima is more certain to set pods under adverse conditions and bears profusely all through the season. It is more resistant to drouth than any other lima bean. The beans are medium size, beautifully blotched dark red, which is not apparent in the early green stage. A very desirable green and dried bean.

Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25

80—BUCHANAN'S MONSTROUS OR LARGE WHITE LIMA—(88 days)—The pods are very large, often 6 inches long, and containing green beans of the most excellent quality. Fine flavored and nutritious when dried. The vigorous vines yield heavier than any other large lima.

Pkt., 15c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 70c; 5 lbs., \$1.40

77—LARGE SPECKLED OR CHRISTMAS LIMA—(90 days)—So named because of its unusual and beautiful color contrast. The very large beans are greenish white with vivid, narrow red stripes; flavored rich and delicious either green or dried. The newest introduction to the large lima bean family. Vigorous and productive.

Pkt., 15c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 70c; 5 lbs., \$1.40

DUTOX or CRYOLITE

For control of Mexican Bean Beetle and many other chewing insects. For control of Mexican Bean Beetle, dust should be deposited on under side of leaves; for most other leaf-eating insects, dusting on top of leaves is sufficient. We can sell these products for insect control only.



Carolina or Small Lima



BUCK BRAND TESTED SEEDS

GARDEN BEETS

For the earliest beets, plant in a hot bed and transplant. For early outdoor crop, plant in March and make successive plantings till the end of August; the late plantings are to make beets for winter use and the seeds should be well soaked before planting. Beets thrive best in a light, clean, deeply worked soil that has been previously well manured; smooth roots cannot be had if fresh manure is used. Plant in rows 16 to 20 inches apart, cover 1 inch and thin to 4 inches apart. One ounce will plant 50 feet of row, 8 to 10 pounds, 1 acre.

All Prices on This Page Post Paid

Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

17—BUCHANAN'S MARKET GARDENER BEET (48 days)—Our gardener's favorite, owing to its earliness and uniformity in both shape and color. It is without a doubt the best beet for the home garden, or for canning. The tops are small and upright in growth. The leaves are dark green, shaded red. The roots are medium size, globular, very smooth and of dark blood red color, while the flesh is a deep vermilion red, zoned with lighter shade. It is unsurpassed in quality.
Pkt., 5c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; 1 lb., \$1.50; 2 lbs., \$2.75

24—CROSBY'S EGYPTIAN (48 days)—We recommend Crosby's Egyptian as a combination of earliness, good shape, good color and good quality. The color is bright red, with bright vermilion-red flesh, very sweet and tender. A standard early variety, very popular with market gardeners, as the tops bunch well and it makes a good appearance with dark red, turnip shaped roots.
Pkt., 5c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; 1 lb., \$1.50; 2 lbs., \$2.75

18—EARLY WONDER (45 days)—If earliness is desired, you have it in Early Wonder, but you have most excellent quality as well. It is of the blood turnip type, uniform in size, shape and color, always smooth, never stringy, and a good keeper. The flesh is a deep rich red, sweet, crisp and tender. Although bred primarily for market growers, its many fine qualities commend it highly to the home gardener.
Pkt., 5c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; 1 lb., \$1.50; 2 lbs., \$2.75

19—BUCHANAN'S CRIMSON GLOBE (50 days)—A rich, deep crimson beet of perfect globe shape, smooth and clean. Matures early, is of a most attractive appearance, and in quality is not surpassed by any other variety. We recommend it not only for market gardeners and truckers, but for the home garden as well.
Pkt., 5c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; 1 lb., \$1.50; 2 lbs., \$2.75

21—EARLY BLOOD TURNIP (50 days)—An extra selected, smooth, dark red beet of uniform size and first-class quality. One of the best for main crop, also for planting in May or June to make late beets for winter storage.
Pkt., 5c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; 1 lb., \$1.50; 2 lbs., \$2.75

23—DETROIT DARK RED (50 days)—A beet you will like, whether you grow it for home use or market. Almost globe shaped with small tops and taproot skin, very smooth and of dark blood-red color. Flesh maroon red without light rings, free of fibre, tender, sweet and superb quality at all stages of growth. A good beet for both early and late planting.
Pkt., 5c; oz., 20c; ¼ lb., 55c; ½ lb., \$1.00; 1 lb., \$1.75; 2 lbs., \$3.25

26—SWISS CHARD (Spinach Beet or Sea Kale) (40 days)—A real cut-and-come-again salad, for after cutting outer leaves it quickly makes a new growth from the center. The leaf is boiled like spinach or turnip greens. Since it produces so abundantly during hot, dry summer months it is often planted for chickens.
Pkt., 5c; oz., 15c; ¼ lb., 45c; ½ lb., 70c; 1 lb., \$1.25; 2 lbs., \$2.35

STOCK BEETS OR MANGELS

CULTURE—Plantings should be made beginning at corn planting time till the middle of June, soaking the seeds for 24 hours before planting. Make the rows 2 to 2½ feet apart, the drills 1 inch deep on lands that have plenty of moisture in the subsoil; on dry and sandy soil they should be planted deeper. Thin out to stand 8 inches apart in the row; young plants may be transplanted to fill up vacancies. One ounce will sow 75 feet of drill; 6 pounds to acre.

28—GIANT HALF SUGAR MANGEL (90 days)—Produces not only a very large crop, much easier to harvest than other sorts, but also has a higher nutritive value, being especially rich in sugar. This excellent, heavy yielding variety makes dairy cattle produce more milk and beef cattle gain weight more rapidly.
Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.20; 2 lbs., \$2.25; 5 lbs., \$5.00

30—MAMMOTH PRIZE LONG RED (110 days)—No other mangel can compare with this variety in yield. Crops of 30 to 40 tons per acre have been made on good land and under proper cultivation. The roots often weigh 20 to 25 pounds each. It grows well above ground; is easily pulled; the long red roots are straight, well-formed and solid. A fine keeper and, at a low cost, will supply an abundance of succulent green food for stock of all kinds and for poultry. Especially adapted to deep soils.
Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.20; 2 lbs., \$2.25; 5 lbs., \$5.00

CAULIFLOWER

CULTURE—Cultivate like cabbage. Sow in January or February for early crop; May or June for late. Transplant to rich, moist soil; manure heavily and water freely. When heading begins, fasten leaves over top of head to whiten; 1 ounce of seed makes 1,000 plants.

109—EXTRA EARLY SNOWBALL (55 days)—There is no better cauliflower for Southern growers, and our strain is as fine as can be had at any price. It is not only the earliest to head, but a remarkably sure header, making large, solid, perfect pure white heads of the finest quality.
Pkt., 25c; ¼ oz., 80c; ½ oz., \$1.45; 1 oz., \$2.50



Market Gardener Beet



Swiss Chard



Long Red Stock Beets

Stock Beets Produce Enormous Tonnage—Wonderful Dairy Feed. See Yellow List for Quantity Prices



BUCK BRAND TESTED SEEDS

CARROTS

Plant in a light, rich, deeply-worked soil as early as you can work the ground, in drills 12 inches apart and $\frac{1}{2}$ inch deep; press the soil firmly after planting and when well up, thin out to 3 or 4 inches apart in the row. For field culture, make the drills 18 to 24 inches apart; later plantings should be made in July and August for a late crop to store for winter. To store for winter, pack in dry earth or sand in the cellar or put them outside on a well-drained situation, covering with a few inches of straw and 6 to 8 inches of earth to protect from frost. One ounce will plant 100 feet of drill; 3 to 4 pounds to the acre.

All Prices on This Page Post Paid

Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

104—IMPERATOR (77 days)—An outstanding variety which meets the demand of the home garden for a smooth, handsome, coreless carrot. The commercial growers favorite for local and distant markets since its rounded, sloping shoulders, tapering, half blunt ends and medium strong tops make it the perfect bunching and shipping carrot. The tapering roots, about 8 inches long and $1\frac{1}{2}$ inches across top are a deep, rich orange, fine grained, tender and of excellent quality.

Pkt., 10c; oz., 30c; 2 ozs., 55c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.85; lb., \$3.50; 2 lbs., \$6.75

105—DANVERS HALF-LONG (75 days)—This handsome, half-long, orange carrot is adaptable to all soils. Its roots are smooth and longer than the Chantenay; the tops are medium size. The mature roots are 6 to 7 inches long, tapering uniformly to a blunt end. Its flesh is a deep, rich orange color, tender, sweet and crisp. It outyields any other variety.

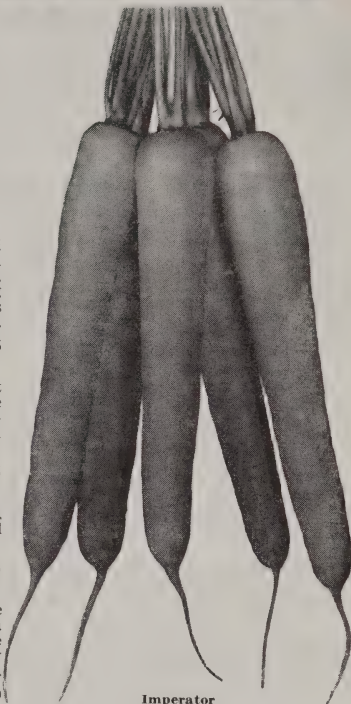
Pkt., 10c; oz., 30c; 2 ozs., 50c; $\frac{1}{4}$ lb., 90c; $\frac{1}{2}$ lb., \$1.70; lb., \$3.20; 2 lbs., \$6.15

106—LONG ORANGE (88 days)—Especially fine on light soils, making long, smooth, tapering roots of a deep orange color, free from side roots and a good all-purpose carrot. A fine winter sort for table, market and stock.

Pkt., 10c; oz., 35c; 2 ozs., 60c; $\frac{1}{4}$ lb., \$1.05; $\frac{1}{2}$ lb., \$1.95; lb., \$3.75; 2 lbs., \$7.25

108—CHANTENAY (72 days)—Very popular because of its beautiful appearance and excellent table quality. Its length will average $5\frac{1}{2}$ inches; its color is a rich, bright orange-red. The roots are the half-long type, smooth, free from side rootlets, and unusually uniform. The crisp, tender and fine flavor makes it very desirable. A splendid carrot for home garden, local market and distant shipping.

Pkt., 10c; oz., 30c; 2 ozs., 50c; $\frac{1}{4}$ lb., 95c; $\frac{1}{2}$ lb., \$1.75; lb., \$3.30; 2 lbs., \$6.40



Imperator

SOUTHERN COLLARDS

An old-time standby for winter greens all over the South. Not in its best condition until touched by frost. Seed can be sown here from early spring up to August 1st. When plants are 6 inches high transplant to open ground, setting 2 feet apart. Cultivate like cabbage. One ounce of seed sows 200 feet of row, or makes about 1,000 plants.

127—GEORGIA WHITE CABBAGE (48 days)—Produces large, loose headed cabbage-like plants, the leaves of which make excellent greens. Very hardy and grows on poorer soil than cabbage.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; 1 lb., 60c

125—LOUISIANA SWEET (50 days)—A more tasty and refined strain of the old Georgia Collard. Much more tender and succulent than any other collard. The perfect collard for sowing broadcast and bunching for local or distant markets. Very hardy, with the large short stem leaves set closely almost forming a head. You have not eaten the best in collards until you try Louisiana Sweet.

Pkt. 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; 1 lb., 65c

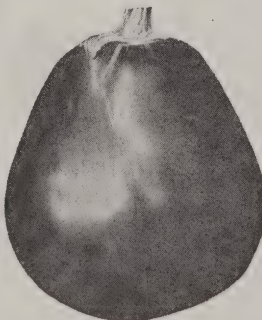
EGG PLANT

CULTURE—Sow in hotbed in February or March. When 4 inches high, transplant after danger of frost to 3-foot rows in deep, rich loam. One ounce of seed will produce 1,000 plants.

183—BLACK BEAUTY (81 days)—The lustrous, purplish-black fruits, which are tender and tasty are set freely on the plant. Holds color and firmness well after picking. A continuous and consistent bearer.

The most desirable of all the egg plants for home use, local market and shipping.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; 2 ozs., 65c; $\frac{1}{4}$ lb., \$1.15; $\frac{1}{2}$ lb., \$2.00; lb., \$3.75.



Black Beauty Egg Plant

CELERY

CULTURE—Sow in beds in February or March and keep them well watered. Transplant to moist, rich soil; 8 inches apart in 20-inch rows. Earth up two or three times. Cover with straw for protection from severe weather. One ounce of seed produces 4,000 plants.

121—IMPROVED WHITE PLUME (112 days)—Earliest and easily blanched to a snow white. Stalks tender, crisp and free of fibre.

122—GOLDEN SELF BLANCHING (118 days)—Plants medium in height, stocky and compact which blanch readily. Stalk and heart are crisp, solid, quite stringless and of excellent flavor.

Price, either variety—Pkt., 5c; $\frac{1}{2}$ oz., 20c; oz., 35c; 2 ozs., 60c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.80; lb., \$3.25.

MISCELLANEOUS SEED

5—ASPARAGUS, MARY WASHINGTON—Rust resistant, giant size, highest yielding, most tender.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c

9—BROCCOLI, GREEN SPROUTING (90 days)—Head is a compact cluster of bluish green flower buds, one of the choicest green vegetables and should be in every garden. Grown and cooked like cauliflower. Plant either spring or fall.

Pkt., 5c; $\frac{1}{2}$ oz., 20c; oz., 30c; 2 ozs., 50c; $\frac{1}{4}$ lb., 90c

8—BRUSSELS SPROUTS (125 days)—Small shoots, like miniature cabbages clustered around a stem, are the edible part of this unique vegetable, delicious, delicate cabbage flavor.

Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; 2 ozs., 75c; $\frac{1}{4}$ lb., \$1.35

119—WITLOOF-CHICORY, OR FRENCH ENDIVE (75 days)—Witloof is used principally as a winter salad, and is most delicious served with French dressing and eaten like lettuce.

Pkt., 10c; $\frac{1}{2}$ oz., 35c; 1 oz., 65c; 2 oz., \$1.15

	Pkt.	Oz.	$\frac{1}{4}$ lb.
175—ENDIVE—GREEN CURLED (95 days)	5c	15c	.35
176—ENDIVE—BROAD LEAVED (95 days)	5c	15c	.35
178—KOHL-RABI—WHITE VIENNA	5c	25c	.90
180—LEEK—AMERICAN FLAG (80 days)	10c	40c	1.35



CABBAGE SEED

CULTURE—When started in hot-beds, sow thinly broadcast, covering seed about $\frac{1}{4}$ inch. When 4 to 6 inches high, transplant. Give frequent cultivation, drawing the earth to the plants at each working. Set the early varieties at intervals of 18 inches in rows 2 $\frac{1}{2}$ feet apart; the larger and later sorts, 2 feet apart in 3-foot rows. Cabbage should be grown rapidly. It is a heavy feeder, and a rich well-prepared soil will produce the best crop. The maturity dates indicated are the average number of days required to produce heads ready for market from the time the young plants are set in the field. An ounce of seed will produce at least 1,000 strong plants; one pound is sufficient to sow an acre.

All Cabbage Prices Post Paid. All 10c Items 3 for 25c
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

EARLY VARIETIES

86—EARLY JERSEY WAKEFIELD (62 days)—Extremely early variety, very valuable for home and market garden as well as for shipment. Plants small and compact, allowing very close planting; stem short. Heads conical, usually 7 in. long, 5 in. thick near base; firm and weigh 2-3 lbs.

Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; 2 ozs., 35c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; 1 lb., \$1.95.

87—CHARLESTON OR LARGE WAKEFIELD (71 days)—Desirable for home and market garden. Head broad, heart-shaped, 8 in. long, 7 in. broad at base, firm, commonly 4-5 lbs. A heavy yielding extremely hardy cabbage adapted to early fall planting for winter use and for early spring planting. A good shipper and market gardener variety.

Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; 2 ozs., 35c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; 1 lb., \$1.95.

94—COPENHAGEN MARKET (66 days)—Dependably early and uniform. Splendid for home garden and shipment, proving valuable as early krait variety. Plant small, compact, allowing very close planting; stem short; heads uniformly round; firm; 6-7 in. diameter and weight 3 $\frac{1}{2}$ -4 lbs. Interior clear white and of excellent quality. Its earliness and fine size and shape of head have made it the popular market gardener's favorite.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; 2 ozs., 55c; $\frac{1}{4}$ lb., 95c; $\frac{1}{2}$ lb., \$1.75; 1 lb., \$3.25.

SECOND EARLY AND LATE VARIETIES

99—EARLY DRUMHEAD (85 days)—Produces large, firm, broad, flat heads, fine grained and sweet. Heads weigh 7 to 9 lbs. It is ready for marketing two or three weeks earlier than the Late Drumhead.

101—EARLY DWARF FLAT DUTCH (90 days)—Splendid for home, local market and long distance shipping. Plant medium size, vigorous, with very large, solid, flat heads, weighing 10 to 12 lbs. Remain crisp and tender long after mature. The most desirable large, early cabbage.

85—ALL SEASONS, WISCONSIN STRAIN (90 days)—A hardy drumhead type which is very resistant to drouth and most diseases that cause cabbage to rot in the field as soon as heads are full grown. Plant this cabbage for table use in summer and early fall and it is unexcelled for making krait since it remains fresh and sound for a long period. It is also well adapted for planting in summer for late fall and winter use. Fully developed heads 8-10 inches across, 7 inches deep and weigh 8-9 pounds.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 40c; 2 ozs., 65c; $\frac{1}{4}$ lb., \$1.15; $\frac{1}{2}$ lb., \$2.00; 1 lb., \$3.75.

91—SUCCESSION (87 days)—Very dependable for late summer and fall use; good keeper. Plants large but compact; stem short. Heads large and flat but deep; 8-10 in. across, 7-8 in. deep and weigh 8-9 lbs.

93—LATE FLAT DUTCH (105 days)—The best very large, late cabbage; popular for home and market garden and for fall shipment; a good keeper. Heads very large, flat and solid, 10 to 11 in. across, 7 in. deep and weigh 11 to 12 lbs.; firm and of good quality.

92—LARGE LATE DRUMHEAD (110 days)—This is a very hardy and desirable fall and winter cabbage. Heads large, flat and solid, remaining in perfect condition throughout the summer.

100—DRUMHEAD SAVOY (90 days)—(Winter Cabbage)—Very popular because of its tasty flavor. The deep green, crinkled outer leaves enclose the tender, light green heart. Plant this cabbage in the fall and it will provide the perfect green vegetable for your winter garden.

Price—Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; 2 ozs., 50c; $\frac{1}{4}$ lb., 85c; $\frac{1}{2}$ lb., \$1.50; 1 lb., \$2.80.

83—CELERY CABBAGE (70 days)—Chinese or Chihli. A most unusual mildly flavored cabbage producing long firm heads. Cut up like cabbage and served with mayonnaise or French dressing, it makes a splendid cole-slaw. Can be boiled like cabbage if cooked quickly, but is without the strong flavor. The hearts blanch to a crystalline white; whiter than lettuce and more beautiful than cabbage. Plant and cultivate like any other cabbage.

Prices—All Second Early and Late Cabbage except where otherwise priced—Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; 2 ozs., 35c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.15; 1 lb., \$2.20.



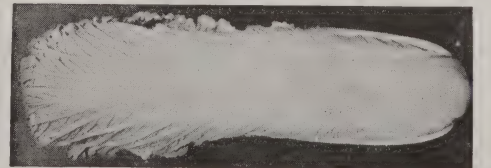
Early Jersey Wakefield



Charleston Wakefield



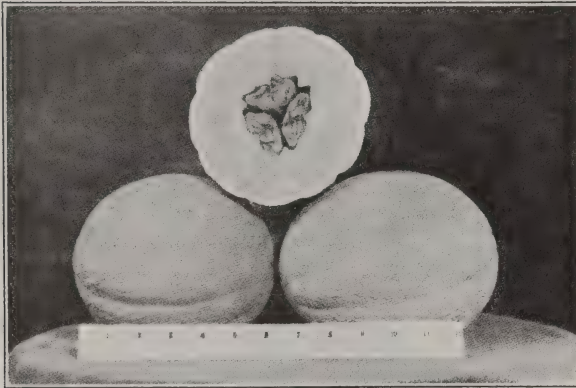
Early Flat Dutch



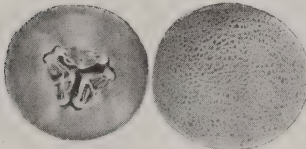
Chinese Chihli or Celery Cabbage



BUCHANAN'S CANTALOUPE



Queen of Colorado



Imperial No. 45

TREAT CANTALOUPE SEED
WITH SEMESAN

You will get better and quicker germination and healthier plants, thus enabling growers to take advantage of higher pre-season prices. Easy to apply.

1/3 oz. (treats 5 lbs. seed),
12c; 2 ozs., 45c



Hale's Best, Jumbo Strain

CULTURE—Melons thrive best in light, rich soil. Plant just as soon as the ground is warm, in hills 4 to 6 feet apart, according to the variety; in each hill apply a shovelful of well-rotted manure, or a handful of commercial fertilizer, well mixed with the soil. Plant about 8 seeds to each hill, covering with about 1 inch of fine soil firmly pressed down. As plants develop cultivate well. Gradually thin out to two plants to the hill. When the vines begin to run freely, stop cultivation, except after a heavy rain. Melon vines are subject to the same destructive insects and fungus foes as are cucumber and squash vines. See pages devoted to our assortment of insecticides. Use a packet to about 15 hills; 1 ounce to 60 hills; 2 to 3 pounds to the acre. HOTKAPS will protect your early planting from cold or injury.

All Prices on This Page Post Paid.
All 15c Items 3 for 35c
Quantity Prices—Not Prepaid
See Yellow Price List Enclosed

210—QUEEN OF COLORADO OR PRIDE OF WISCONSIN (85 days)—Oval in shape with tough, heavily netted rind with faint ribs. The flesh color is totally unlike other cantaloupes, being a deep, sparkling, golden orange. The seed cavity is small and closely packed. The flesh is thick, juicy and sweet, edible almost to the rind, and has no superior in eating qualities. Size 6 by 6½ inches, weight 5 pounds. It is one of the finest cantaloupes for both shipping and for home gardening yet introduced and won Honorable Mention in the All-American Selections in 1939.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.20; 5 lbs., \$5.50

220—IMPERIAL No. 45 (80 days)—FORMERLY LISTED HALES BEST No. 45—This medium size, slightly oblong, mildew resistant melon approaches perfection in its class. Its outstanding advantages are its very heavy cropping even in the hottest driest season and it almost never shows spoilage in the field even when quite ripe. It also may be vine-ripened and still shipped long distances because it remains firm and in good edible condition longer than almost any other cantaloupe. The seed cavity is small and tightly packed with seed. The salmon-orange flesh is firm but not tough or stringy, and has a sweet, luscious, melting and superb flavor.

Pkt., 5c; oz., 15c, 2 ozs., 25c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25; 5 lbs., \$5.75

211—HALES BEST, JUMBO STRAIN (87 days)—Large fruited strain of the leading Hale variety, unexcelled for home use and local market. Melons oval, heavily netted, very uniform; flesh thick, salmon-orange, sweet and of excellent quality.—The perfect melon for roadside markets.

Pkt., 5c; oz., 15c, 2 ozs., 25c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25; 5 lbs., \$5.75

219—ROCKY FORD (92 days)—The Improved Rust Resistant Strain continues to be a leader in its class. It has enjoyed wide use for many years and is well known everywhere that melons are produced. It is popular chiefly because of its extraordinary flavor. The spicy flavor of the green-fleshed Rocky Ford is difficult to improve upon.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.30; 5 lbs., \$5.95.

214—BANANA (100 days)—Shaped somewhat as name indicates; grows about 2 feet long; flesh deep salmon colored and of a delicious banana-like flavor.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 45c; ½ lb., 75c; 1 lb., \$1.35; 5 lbs., \$6.25.

212—HONEY DEW MELON (100 days)—This melon is unlike the ordinary muskmelon or cantaloupe, both in appearance and flavor, the outer skin being smooth, hard and nearly white. The melons are large, round to oval in shape, extremely thick-meated and have a very small seed cavity; flesh is light green, very solid and of a rich honey-like flavor, luscious and juicy, much more so than any variety of muskmelons.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25; 5 lbs., \$5.75

DUTOX WILL CONTROL STRIPED AND SPOTTED CUCUMBER BEETLE AND PICKLE WORM
ON CANTALOUPE

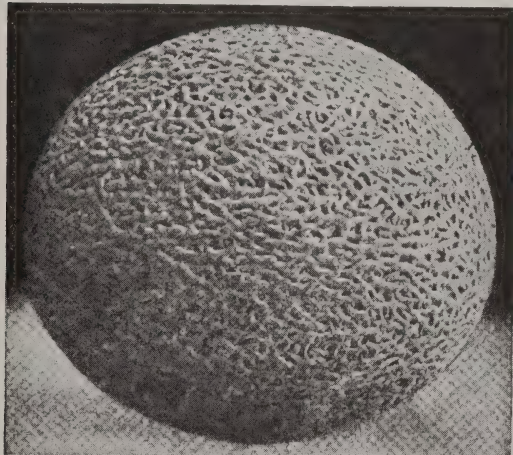
Use from 2 to 6 pounds of Dutox per acre for dusting Cantaloupes. For control of striped and spotted beetles, dusting should be begun as soon as plants are up, and applied every 10 days as long as the insects continue to come. For control of the pickle worm, which bores into the cantaloupe, begin dusting when the first melons form and apply Dutox every 10 days until most of the crop is harvested. In all cases dust the plant thoroughly and evenly, especially the under side of leaves, with Dutox. Light, frequent applications are generally more effective than heavy, infrequent applications.

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

BUCHANAN'S CANTALOUPE

209—GOLD LINED ROCKY FORD (92 days)—Our type of improved Rocky Ford is the finest gold lined strain and if you are growing for home use or nearby markets you will find this melon especially satisfactory. The flesh is thick and solid with a deep gold lining next to the seed cavity, shading to light green toward the rind. For sweetness and spiciness this popular variety is unexcelled.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25; 5 lbs., \$5.95



Gold Lined Rocky Ford



Buck Brand (Surprise)

222—BUCK BRAND (Surprise) (85 days)—The nearest thing to the old-fashioned muskmelon that you can get. Fruit slightly oblong, with a very thin, nearly smooth gray-green skin, distinctly ribbed; flesh thick and of deep salmon color. For flavor and size combined this is the king of all melons. Too large to be profitable except for local market—they often weigh 10 to 12 pounds—they are ideal for home use; one melon is enough for a family. Continues bearing till cold weather and holds its splendid quality up to the very last.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 45c; ½ lb., 75c; 1 lb., \$1.35; 5 lbs., \$6.25

HYBRID SUGAR CORNS

CULTURE—Same as other Garden Corn (see next page) except that it is planted 2 grains every 12 inches in fertile soil and thinned to 1 stalk per hill. The varieties we quote have been thoroughly tested in experiment stations and have proven beyond doubt that they are better adapted in the Mid-South than any other hybrid Sugar Corns.

Hybrid Sugar Corns have proved bigger and more uniform yielders and of better quality than open pollinated types. The ears are better filled, of more even size and shape, and two good ears are usually borne to the stalk. In actual tests increased yields of from 10 to 100 per cent have been secured. This is because of better root growth, sturdier stalks and greater disease resistance. If you have been disappointed in Sugar Corn yields in the past be sure to plant Hybrid this year.

133—STOWELL'S EVERGREEN HYBRID (90 days)—Introduced in 1930. Received All-American Special Mention for 1934. Highly valuable to market gardeners, home gardens and canning. It makes an attractive ear of good size and fine quality; the grains are a lustrous pearly white, plump, juicy, sweet and tender. If you take pride in serving something that is really choice and that will attract immediate attention to its quality serve Stowell's Hybrid Evergreen Corn. Stalk sturdy with close growing upright ears, 4 feet from ground; foliage medium green. Ears very slightly tapered, uniform, with 16 to 18 rows. Kernels medium wide and deep.

Price—Pkt., 15c; ½ lb., 35c; 1 lb., 55c; 2 lbs., \$1.00; 5 lbs., \$2.00

139—GOLDEN CROSS BANTAM HYBRID (85 days)—Introduced jointly by the United States Department of Agriculture and Purdue University Agricultural Experiment Station. It is replacing other main crop yellow varieties. Stalk sturdy, with exceptionally broad, vigorous leaves. Ears 10 to 14 rowed, slightly lighter yellow than Golden Bantam. Kernels medium in width and depth. This hybrid is extremely uniform in plant and ear characteristics and in maturity. If you want a yellow corn with a larger ear, that is more productive, and if you want the best and sweetest for your table, plant Hybrid Golden Cross Bantam. Its color is a glistening pale gold and its flavor is unequalled.

Price—Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 75c; 5 lbs., \$1.70

Use **HOTKAPS** to force plant growth, make healthier, hardier plants and to produce bigger crops from two to three weeks earlier.



Golden Cross Bantam Hybrid Sweet Corn



R.B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

CULTURE

The grains of sugar corn are shriveled and rather tender and cannot be planted until the ground is warm. Make hills 20 to 24 inches apart each way, dropping 5 or 6 grains in each hill, thinning out afterward to 2 or 3 stalks to the hill. A continuous supply can be kept by planting early, medium and late varieties at one time, or by making several plantings at intervals of 15 days. One pound to 200 hills; 10 pounds per acre.

136—ADAMS LARGE (White Sweet) (75 days)—One of the most popular roasting ear corns. Matures about 10 days later than the Extra Early Adams but the ears are larger and more desirable. The stalks are vigorous, averaging 7 feet in height, and well bladed. This and the Adams Extra Early are very hardy and can be planted earlier than sugar corns.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c

140—COUNTRY GENTLEMAN (White Sugar) (83 days)—One of the best known of the mid-season varieties. Kernels very deep, slender, sweet with tender hull and set irregularly without row formation. It is a good yielder, producing 2 to 3 good-sized ears to the stalk.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15



Adams Early Sweet Corn

141—EARLY SURPRISE (White) (75 days)—A wonderful roasting ear corn, especially bred for market gardeners' use; when planted at the same time as Large Adams it is ready for use just when the Large Adams is giving out; it is the best corn to use for successive plantings all through the season. This corn is slightly sweeter than field corn. Average height of stalk about 7 feet; the ear is thick, well grained to the end of the cob; rows of grain straight and uniform. When cut green for market the ears average from 8 to 10 inches in length. It is very productive, producing two good ears to the stalk. Also a splendid early maturing field corn.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c

134—GOLDEN BANTAM (Yellow Sugar) (80 days)

—Very sweet and most delicious extra early corn for the home garden, and very productive. The stalks grow only 5 feet high and, where space is limited, the hills can be as close as 20 inches apart. Each stalk bears 2 or 3 well-filled ears, 6 to 7 inches in length. The kernels are of a beautiful yellow color, very milky, tender and sweet.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15

138—STOWELL'S EVERGREEN (White Sugar) (85 days)

—A standard main crop variety, much used for the home garden, market, and canning. It is hardy and productive, very tender and sugary, remaining a long time in condition suitable for boiling. The ears are about 9 inches long, 16- to 20-rowed, with very white grain. The stalks are about $7\frac{1}{2}$ feet high.

Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15

137—TRUCKER'S FAVORITE (White Sweet) (75 days)

—For a second early, to follow Early Adams, this is unquestionably one of the best; or for planting late to mature quickly it is equally valuable. It is a white corn, with good depth of grain, tender and sweet, and a most desirable size for roasting ears. Besides being a fine garden corn, it is a splendid field corn to follow potatoes and other early crops. The ears are medium size and well filled.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c

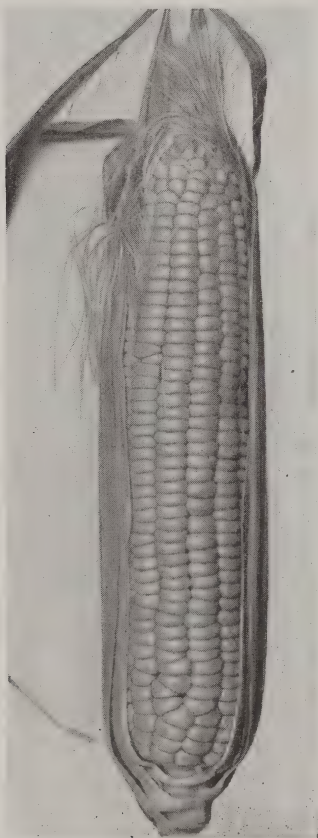
132—WHIPPELL'S EARLY YELLOW (Yellow Sugar) (84 days)

—A medium early yellow Sugar Corn. Larger than Golden Bantam. Stalks grow 6 to 7 feet, and many produce two large ears. Kernels bright yellow, tender, sweet, and finest quality for table use. Probably the most popular commercial yellow Sugar Corn in the Mid-South.

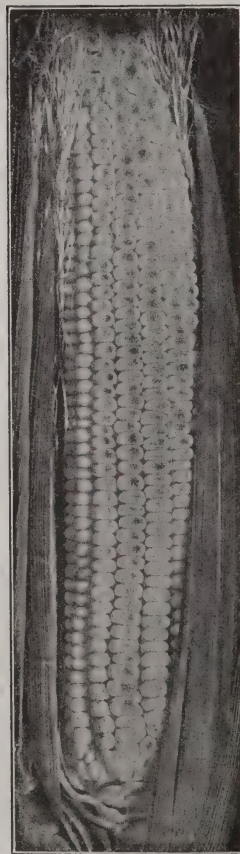
Pkt., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15

SPECIAL SUBSCRIPTION OFFER

Enclose 50c with your seed order remittance and we will send you The Progressive Farmer-Southern Ruralist for $2\frac{1}{2}$ years. You will find its worthwhile articles on farming, gardening, fruit, chickens, hogs and cows very interesting and helpful.



Early Surprise



Trucker's Favorite

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS****CUCUMBER SEEDS**

CULTURE—One ounce will plant 50 hills; 1 to 2 pounds will plant 1 acre. Cucumbers succeed best in warm, rich, sandy loam, and should not be planted in open air until warm weather. Plant in hills about 4 feet apart each way, and when early insect injury is past, thin out the plants, leaving 3 or 4 of the strongest to each hill.

All Prices on This Page Post Paid. Quantity Prices—Not Prepaid—See Yellow List.

**Early Green Cluster**

163—EARLY GREEN CLUSTER (55 days)—A short, blunt, cylindrical pickling sort, does not taper at the ends, fruits borne close in on the vines in clusters. On account of its earliness, perfect shape and firmness, it is probably the most popular of the smaller pickling cucumbers. If kept gathered close it will continue to set fruit through a long season.

Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 60c; ½ lb., \$1.00; lb., \$1.90.

158—STRAIGHT 8 (60 days)—All American Selection, 1935—This outstanding variety produces symmetrical, cylindrical fruits about 8 inches in length and about 2¼ inches in diameter. The fruits are well rounded at the end and when ready for use are deep green and free from objectionable striping or tipping. Although its characteristics make it an ideal shipping variety, it is also equally desirable for the home or local market.

Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$1.95.

160—CHICAGO PICKLE (59 days)—Since introduced this 6 to 6½ inch pickling cucumber has been the most popular of the larger pickling varieties. It is extremely early and when fully developed is excellent for slicing. A very hardy, vigorous, prolific producer of uniform medium green fruits, blunt at both ends.

Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 60c; ½ lb., \$1.00; lb., \$1.85.

164—EARLY FORTUNE (64 days)—An especially fine, medium length White Spine Cucumber much planted in the South for shipment to the Northern markets. It has a fine, dark green color which it holds for a long time after picking. Fruits slightly tapering, flesh firm and crisp.

Pkt., 5c; oz., 15c; 2 ozs., 30c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.60.

165—IMPROVED WHITE SPINE (60 days)—It is early, crisp and tender, excellent for slicing, pickles well when gathered young. For the home garden it is one of the best as it can be used for all purposes.

Pkt., 5c; oz., 15c; 2 ozs., 30c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.60.

166—IMPROVED LONG GREEN (70 days)—The vines are vigorous and productive; the fruit (12 inches long) is formed almost as early as on the short sorts. The flesh is very firm and crisp and has a distinctive flavor; they make excellent medium large pickles, and when yellow and ripe the best sweet pickles. It enjoys the distinction of being the standard cucumber for home garden.

Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00.

**Marketer**

168—MARKETER (65 days)—Highest award of Merit All America trials in 1942. Fruits about 8 inches long, strikingly uniform, dark green even to blossom end. Vine growth vigorous and a prolific bearer of ideal size cucumbers for the home garden and local markets. This new cucumber in both appearance and slicing texture is regarded as nearly perfect as cucumbers come.

Pkt., 10c; ½ oz., 30c; oz., 50c.

161—COLORADO (IMPROVED A & C) (65 days)—The outstanding cucumber for home garden, near or distant market. Vigorous grower, resistant to disease, and produces an abundance of uniformly slender cucumbers, 9 to 10 inches long, with deep green color which it retains well after harvesting. It is gently tapered at both ends; flesh crisp, firm and of superior eating quality with small seed area.

Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 60c; ½ lb., \$1.00; lb., \$1.90.

167—LEMON—Not only a novelty, but a very desirable cucumber because of its attractive, rich, lemon color, crispness and delightful flavor. In appearance it resembles a lemon, 3 inches long and 2½ inches wide. Excellent for pickling and enhances a salad to which it lends beautiful color and an appetizing flavor.

Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00.

159—STAYS GREEN (60 days)—It is one of the earliest and most prolific white spine varieties for home or market. The extremely dark green color is retained well into the mature stage. It has rounded ends, with thick, nearly white crisp flesh, which makes it ideal for slicing.

Pkt., 5c; oz., 15c; 2 ozs., 30c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.60.

**Stays Green****DUTOX WILL CONTROL STRIPED AND SPOTTED BEETLE AND PICKLE WORM ON CUCUMBERS**

Use from 2 to 6 pounds of Dutox per acre for dusting cucumbers. For control of striped and spotted beetles, dusting should be begun as soon as plants are up and applied every 10 days as long as the insects continue to come. For control of the pickle worm, which bores into the cucumber, begin dusting when the first cucumbers form and apply Dutox every 10 days until most of the crop is harvested. In all cases dust the plant thoroughly and evenly, especially the under side of the leaves. See index.

KALE or BORECOLE

CULTURE—One ounce to 100 feet of row; 4 pounds to the acre. Kale is extensively grown in the South during the fall, winter and spring. Seed may be sown any time from August to October, and again during February and March, broadcast or in drills, 18 inches apart.

187—DWARF CURLED SIBERIAN (65 days)—A very vigorous and rapid growing variety producing an abundance of long large leaves beautifully curled, and frilled at the edges. Very hardy, enduring zero weather without protection. It is even more crisp and tender after subjected to severe weather. The most desirable greens to plant for mid-winter use. Certainly the best variety of Kale.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; ½ lb., 45c; lb., 80c.

Colorado or A & C

Cucumbers Are Subject to Pests and Disease. See Index About Insecticides for Spraying.



All Prices on This Page Post Paid. Quantity Prices—Not Prepaid—See Yellow List.

LETTUCE SEED



Imperial No. 847

203—IMPERIAL No. 847 (H) (80 days)—Well adapted to Southern conditions, producing excellent heads under higher temperature than ordinary heading varieties. Vigorous and resistant to disease. Heads medium large, well formed, compact, crumpled, well covered by inner leaves; exterior light green, interior white, crisp, tender and sweet.
Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; 2 ozs., 35c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.05; 1 lb., \$1.95.

205—NEW YORK No. 12 OR WONDERFUL—An Improved Early Strain (H) (75 days)—Immense heads, often 10 and 12 inches across, solid as a cabbage; blanches beautifully; crisp, tender; free from bitterness and with few outer leaves. Well adapted to the Mid-South, rooting deeply and resistant to the hot, dry weather.

Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; 2 ozs., 40c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.20; 1 lb., \$2.25.

196—BIG BOSTON (H) (76 days)—Plants are medium large, very hardy, vigorous and sure heading. Heads medium size, globe shaped, well formed, compact, crisp, tender with buttery-like golden yellow heart. An excellent variety for hot bed and cold frame forcing, and as an outdoor variety withstands much adverse weather.

Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 15c; 2 ozs., 25c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 65c; 1 lb., \$1.20.

MUSTARD SEED

CULTURE—One ounce will sow about 80 feet of drill. For early salad, sow rather thick in February, and at intervals through the spring and fall, in rows 12 inches apart, or in well prepared fertile beds.

243-A—SOUTHERN GIANT CURLED (Long Standing) (30 days)—Developed from the long used Southern Giant Curled. By careful selection this strain was developed, which will stand 15 to 20 days longer before going to seed. It is equal, or better in every respect, to the old type, and on account of its long standing characteristics is more desirable. Plant large and upright in growth, leaves large, long, curled and fringed on the margin; bright medium light green in color. Especially desirable for spring planting.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; 1 lb., \$1.10; 5 lbs., \$5.00.

243—SOUTHERN GIANT CURLED (30 days)—Same as above except does not stand so long before going to seed.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 55c; 1 lb., \$1.00; 5 lbs., \$4.50.

244—NEW CHINESE OR ELEPHANT EAR (40 days)—These two popular smooth leaf mustards have always been the same since New Chinese is an improved strain of the long popular Elephant Ear variety. The leaves are medium dark green, smooth, very large and tender. Easily prepared for cooking and very desirable for local market.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; 1 lb., \$1.25; 5 lbs., \$5.75.

245—FLORIDA BROADLEAF (40 days)—Large, tall, upright growing plant with exceptionally large, thick bright green leaves, with pale green tender mid rib. Fast growing, very productive and deliciously mild.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; 1 lb., \$1.25; 5 lbs., \$5.75.

CULTURE—Sow in rich, well prepared soil, as soon as cold winter is past, or start in beds or frames for transplanting in early spring 6 to 12 inches apart, in rows 18 to 20 inches apart. Cover seed $\frac{1}{2}$ inch in beds or outdoors. Seed germinates quickly and growth is best in cool weather. Good heads depend on good seed, keeping a steady growth with fertilization, moisture and cultivation. Light feeding, as with nitrate of soda, after plants have some size, is beneficial. Loose-leaf types may be thinned and used as they become crowded. Those marked "H" are heading; those marked "L" are loose-leaf. Ounce plants 200 feet of row; use 3 pounds per acre or 1 pound for transplanting. Days given are average from seed to market size.

207—ICEBERG (H) (84 Days)—A large, late, crisp cabbage-heading variety; heads very firm, with the most delicious crisp, tender hearts blanched to a silvery white.

Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 85c; 1 lb., \$1.50.

198—EARLY WHITE CABBAGE (H) (70 days)—A desirable variety for spring or fall. Excellent for home garden and early market, as it is quick growing and a sure header. Heads medium large, firm, golden yellow interior with delicate, buttery flavor.

Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 15c; 2 ozs., 25c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 65c; 1 lb., \$1.20.

195—WAYHEAD LETTUCE (H) (63 days)—Shows a remarkable combination of earliness, firm heading character and fine quality. Both in cold frames early in spring and in the open ground in spring and early fall it has proven to be one of the best early heading varieties.

Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 15c; 2 ozs., 25c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 65c; 1 lb., \$1.20.

204—EARLY CURLED SIMPSON (L. L.) (50 days)—A leading early, loose heading variety of fairly large size; leaves form in a compact bunch, crumpled and frilled at the edges.

Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 15c; 2 ozs., 25c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; 1 lb., \$1.00.

202—GRAND RAPIDS (L. L.) (45 days)—This is probably the earliest and best of the loose-leaved varieties. It forms no head, but produces an abundant crop of pale green leaves closely crumpled, which, even when old, retain their delicious characteristic sweetness and delicate tenderness.

Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 15c; 2 ozs., 25c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; 1 lb., \$1.00.

201—CHICKEN LETTUCE (55 days)—Unlike any you have ever grown. Three to four feet high, loaded with leaves that may be pulled like kale. After cutting it keeps on growing. Will yield more chicken feed than any plant grown for greens.

Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 15c; 2 ozs., 25c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; 1 lb., \$1.00.



Tendergreen or Mustard-Spinach



All Prices on This Page Post Paid
Quantity Prices—See Yellow Price List Enclosed

OKRA or GUMBO

CULTURE—Planting should be delayed until after soil is warm. Sow thinly in rows 2½ feet apart, and cover seed about 1 inch deep. When established, thin plants to 12 to 15 inches apart, and cultivate thoroughly. Should be gathered every other day, otherwise the pods become too hard and the young plants discontinue bearing. One ounce will sow 100 feet of row.

251—CLEMSON SPINELESS (55 days)—All American Silver Medal Winner. An okra the commercial and home gardener have long wished for. A smooth podded, spineless strain of large green okra developed at Clemson College after many years of intensive breeding. Being absolutely free of spines there is no discomfort experienced in picking and preparing even large quantities. It is early, very prolific, uniform, of excellent quality and does not bruise easily. Should replace all other green varieties.
Pkt., 5c; 1 oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c; 2 lbs., 80c; 5 lbs., \$1.60

249—WHITE VELVET (60 days)—Long popular throughout the South for home and local markets. Pods round, white and smooth. Prolific and bears throughout the summer.
Pkt., 5c; 1 oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c; 2 lbs., 80c; 5 lbs., \$1.60

250—EARLY DWARF GREEN LONG POD (50 days)—Stalk rather dwarf, pods good size which begin to form early and bear freely; tender and of the best quality. An old variety but still unsurpassed for home gardens and local markets.
Pkt., 5c; 1 oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c; 2 lbs., 80c; 5 lbs., \$1.60

248—TALL OR LONG GREEN (56 days)—Pods dark green, very large and long. Yields heavily over a long period if pods are picked regularly; meaty and very tender.
Pkt., 5c; 1 oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c; 2 lbs., 80c; 5 lbs., \$1.60

247—WHITE LIGHTNING SPINELESS (50 days)—An excellent development of the White Velvet type for the home garden and local market. It is an extra early, smooth and exceptionally long, tapering round, white-podded okra bearing 7 to 10 days ahead of White Velvet. The meaty pods stay tender to much larger size than other varieties. The only White okra that is free of the undesirable and annoying spines.
Pkt., 5c; 1 oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c; 2 lbs., 80c; 5 lbs., \$1.60



Clemson Spineless Okra



CULTURE—In February, March and April plant thickly ½ inch deep in hotbeds or plant outside later. When the size of a goose quill transplant 3 to 4 inches apart in 15- to 18-inch rows. Plantings may also be made where the onions are to grow, thinning out to stand 3 to 4 inches apart, but the transplanting method saves seed, at least two weeding, and gives larger yields.

ONION SEED

ONION SETS

Prices Post Paid	1 Qt.	1 Gal.	Pk.
White	\$.35	\$1.00	\$1.70
Red .....	.35	.95	1.60
Yellow .....	.35	.90	1.50
White Multiplier .....	.45	1.15	2.00

262—WHITE BERMUDA CRYSTAL WAX (92 days from seed)—Early maturing, therefore, easily produced from seed. Bulbs flat, medium size, clear, waxy white; of mild, sweet flavor. Deserves its popularity.
Pkt., 10c; ½ oz., 40c; oz., 70c; 2 ozs., \$1.15; ¼ lb., \$1.95; ½ lb., \$3.75; 1 lb., \$7.25

278—YELLOW BERMUDA (92 days from seed)—Bulbs are a light straw-yellow color, medium sized, flat. Flesh is extremely mild and sweet. Try growing onions from seed. You will find they keep much better.
Pkt., 10c; ½ oz., 40c; oz., 70c; 2 ozs., \$1.15; ¼ lb., \$1.95; ½ lb., \$3.75; 1 lb., \$7.25

259—RED BERMUDA (93 days from seed)—Bulbs medium large, semi-flat, pale purplish red, fine grained, keeps better than other Bermudas.
Pkt., 15c; ½ oz., 40c; oz., 70c; 2 ozs., \$1.15; ¼ lb., \$1.95; ½ lb., \$3.75; 1 lb., \$7.25

257—YELLOW SWEET SPANISH—Large and distinctly globe shaped, with golden yellow skin; flesh white, mild, very sweet and of pleasing flavor, desirable for shipping and fall storage.
Pkt., 10c; ½ oz., 35c; oz., 65c; 2 ozs., \$1.00; ¼ lb., \$1.75; ½ lb., \$3.25; 1 lb., \$6.25

258—YELLOW GLOBE DANVERS (112 days from seed)—Handsome, pale yellow globe onion, medium large; fleshwhite, fine flavor, mild; a good keeper.
Pkt., 10c; ½ oz., 25c; oz., 45c; 2 ozs., 70c; ¼ lb., \$1.35; ½ lb., \$2.50; 1 lb., \$4.80

263—PRIZETAKER (102 days from seed)—Bulbs large, globe shaped; straw colored skin thin and glossy. Flesh pure white and mild. Stores well. One of the best globe shaped onion for local market.
Pkt., 10c; ½ oz., 35c; oz., 65c; 2 ozs., \$1.00; ¼ lb., \$1.75; ½ lb., \$3.25; 1 lb., \$6.25

273—EBENEZER (Japanese) (90 days from seed)—The onions are large, somewhat flattened, have attractive yellow skin and firm white flesh of delicate flavor. Keeps better than any other good quality onion.
Pkt., 10c; ½ oz., 25c; oz., 45c; 2 ozs., 70c; ¼ lb., \$1.35; ½ lb., \$2.50; 1 lb., \$4.80

PARSLEY

CULTURE—As the seed is slow to germinate, soak in water a few hours before planting. Sow in rows 12 inches apart, covering not more than ½ inch with fine soil firmly pressed down. When well up, thin to 4 to 6 inches apart in the rows. One ounce will sow 150 feet of row; 5 to 6 pounds, an acre. There are about 17,000 Parsley Seed in one ounce.

274—DOUBLE CULED—Compact growth, leaves dark green, finely cut and frilled. Without a doubt the most attractive garnishing and widely used for flavoring soups and stews. A cut and come-again plant.
Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 30c; ½ lb., 45c; 1 lb., 70c

PARSNIPS

CULTURE—Sow early in rows 1½ to 2 feet apart; cover with ¼ inch of soil. When well up, thin to 6 inches apart. Seed germinates slowly. Keep ground moist. One ounce will sow 100 feet of row; 3 to 4 pounds, an acre. There are about 2,000 Parsnip seed in one ounce.

280—SUGAR OR HOLLOW CROWN (100 days)—The standard variety, making long, smooth, white roots, uniform in shape, tender and well flavored.
Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 45c; ½ lb., 75c; 1 lb., \$1.35



Mammoth Yellow Prizetaker Onion



BUCHANAN'S GARDEN PEAS

All Wrinkled Varieties Are Marked (*)

CULTURE—The pea endures cold well, either in or above the ground. It is best to sow the earliest varieties as soon as possible (February), wrinkled varieties should be planted later, in warm, light soil, prepared the previous autumn or winter. The main crop may be sown about two weeks later. Sow peas in drills about 2 to 3 inches deep in rows 2½ to 3 feet apart. Pound sows 100 feet of drill, 75 pounds to an acre.

DWARF EARLY VARIETIES

284—ALASKA (50 days; height 28 inches) Fully Wilt Resistant.—Our stock noted for its pod size and productivity. Pods 3 inches, blunt, light green, plump; seed smooth, green, used for extra early planting for home or shipping. Of excellent flavor, and a favorite of the South.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15; 10 lbs., \$2.00

283—LAXTONIAN* (55 days; height 18 inches)—A fine combination of earliness, productiveness and extra fine quality. Produces large dark green pods 4½ inches long, containing 6 to 8 large, delicious peas.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.20

297—LAXTON'S PROGRESS* (55 days; height 15 inches)—Largest podded and heaviest yielder of the extra early wrinkled peas. Pods 4½ to 5 inches, are well filled with 7 to 9 sweet, luscious peas. For home use they have no superior. They retain their dark green color well for shipping or local market.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.20

SECOND EARLY

295—THOMAS LAXTON* (60 days; height 2½ feet)—Exceptionally fine wrinkled pea with dark green pods nearly 4 inches long that are packed with peas, often 7 to 8 to the pod. Quite hardy and very prolific. Flavor is pleasing and peas retain their tenderness. Unquestionably the best second early variety for professional growers, home use and freezing.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.20

286—FIRST AND BEST OR JOHN L. (58 days; height 24 inches)—Pods well filled, light green; productive; hardiest of the second early.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.15; 10 lbs., \$2.00

287—AMERICAN WONDER* (58 days; height 12 inches)—Pods 3 inches, blunt, medium green. Packed tightly in pods; heavy yielder, good quality.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.20

288—AMEER OR LARGE ALASKA (58 days; height 30 inches)—Pods 3½ inches. Wilt resistant. Taller, larger pods than Early Alaska and more productive. Hardiness permits early planting. Sure cropper.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.20

290—PREMIUM GEM* (60 days; height 22 inches)—An excellent, medium early, wilt resistant home garden variety. An old variety still popular because of its exceptional quality and yield.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.20

MAIN CROP

292—CHAMPION OF ENGLAND* (73 days; height 54 inches)—Pods 3½ inches. One of the best late peas, fine flavor; vigorous and very productive. Peas large and tender.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.20

293—TALL TELEPHONE* (Improved Wilt Resistant) (74 days; height 48 inches)—Pod 5½ inches long. Our improved Telephones are longer, larger, podded, much darker green and more deliciously flavored. The broad, plump, pods contain 8 to 10 peas of highest quality. This heavy producing strain is the standard by which other tall peas are judged.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.20

294—LARGE WHITE MARROWFAT (Wilt Resistant) (80 days; height 55 inches)—Pods 3½ inches, large, light green, blunt. Better adapted than other varieties for late planting. Not as sweet as the wrinkled varieties, but the most productive of all garden peas. Will out-yield all others on poor ground.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.20

298—BLISS EVERBEARING* (Wilt Resistant) (70 days; height 32 inches)—Pods 3 inches. Vines branch successively, thus making it a heavy and prolonged bearer. Peas of good size and sweet marrowy flavor. No home garden should be without it.

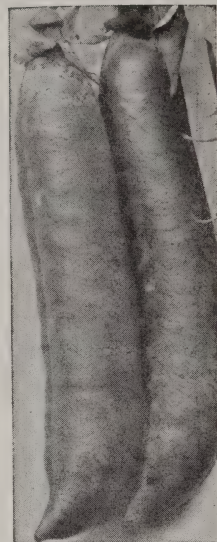
Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.00

285—DWARF TELEPHONE* (Wilt Resistant) (72 days; height 24 inches)—A dwarf type of Tall Telephone; the best main crop, dwarf pea which produces well without sticking. Plant stocky and branching, bearing abundant long pods (about 4½ inches) that frequently contain 7 to 8 big, luscious, sweet peas.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25; 10 lbs., \$2.20



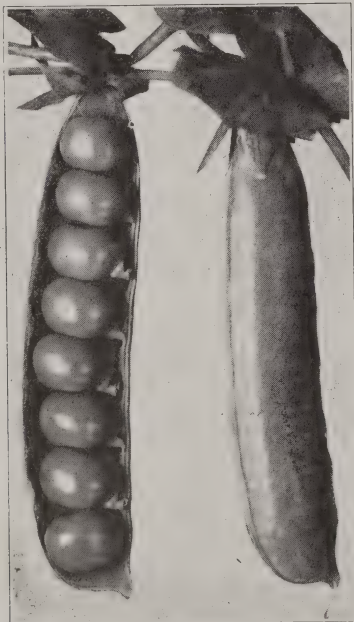
Alaska



Laxtonian

Inoculate
Garden Peas
with
Nitragin
See Page 66

Three
½ Lbs.
Garden Peas
Your Selection
50c
Post Paid



Tall Telephone



BUCK BRAND TESTED SEEDS

BUCHANAN'S SOUTHERN GROWN TABLE PEAS

The prices on Cowpeas, Field Beans and Edible Cowpeas are constantly changing, and it is impossible to quote prices on quantities when this catalogue is printed, but in season we will quote prices promptly upon receipt of your inquiry asking for same.

PEAS—For field planting it requires 2 to 3 gallons drilled to the acre; broadcast, 1 to 2 bushels per acre—60 pounds to bushel; all peas are legume plants and should be inoculated before planting. Please give second choice when ordering table peas. Some varieties are very scarce.

Prices on This Page Post Paid Through Third Zone
Quantity Prices—See Yellow Price List Enclosed

Many of these peas are grown for seed in limited areas only and due to localized-adverse weather conditions some varieties are always scarce. Please send or bring samples of any peas quoted here that you have for sale.



1241—WHITE OR CREAM CROWDER (Semi-Dwarf)—Seed have brown eye, very sweet. Considered best of the Crowders for home or market. Planted with corn, one row corn one row peas (one peck to acre), will produce usual amount corn and 10 to 20 bushels peas; thrive on clay or on sandy loam land. Mature green peas in 85 to 90 days; dry peas, 100 to 110 days. About 2,200 seed to pound.

Pkt., 10c; ½ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., 95c; 10 lbs., \$1.60

1242—RICE OR CREAM (Semi-Dwarf)—Early. Similar to Gallivant or Lady, but larger, very popular, better flavor than Blackeye; fine to eat during winter; kidney shaped with pale white eye. Green peas, 80 days; mature peas in 95 days. Seed usually scarce. About 2,400 seed to each pound.

Pkt., 10c; ½ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., 95c; 10 lbs., \$1.60

1243—EXTRA EARLY BLACKEYE (Dwarf)—Often called Small or Six Weeks Blackeye. This is the earliest of all Blackeye Peas. It is a prolific bearer of sweet, tender, delicious green peas. For dried winter use plant in early August. About 3,100 peas in one pound.

Pkt., 10c; ½ lb., 20c; lb., 30c; 2 lbs., 45c; 5 lbs., 90c; 10 lbs., \$1.50

1244—WHITE BROWNEYE OR PURPLE HULL (Semi-Dwarf)—A most desirable all purpose pea, produces green peas in 75 days, dried peas in 90 days. Plant stocky, supporting itself well, producing an abundance of long, well filled pods which are easily picked. A prolific bearer of sweet, tender, delicious green peas and are also excellent for dried peas. About 3,000 peas in pound.

Pkt., 10c; ½ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., 95c; 10 lbs., \$1.60

1245—CALIFORNIA OR LARGE BLACKEYE (Running)—Main crop pea late maturing, green peas 80 days, dried peas 100 days. Long pods, well filled, good producer. Most popular for dried winter use. There are about 2,000 peas in one pound.

Pkt., 10c; ½ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., 95c; 10 lbs., \$1.60

1246—GALLIVANT OR LADY (Running)—Small white pea with pale white eye. There are more of these peas sold on the Southern markets than any other of the small white peas. Fine flavor; superior to Blackeye peas and very prolific. Green peas in 90 days, dried peas in 105 days. About 5,800 seed per pound.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00; 10 lbs., \$1.75.

1247—CALICO (Running)—White pea with red splotches, known in some sections as Coat and Jacket, Joseph Coat, Pole Cat, Arkansas Traveler, and World Wonder, and Wild Goose. If planted in April or May in corn, dropping peas same time as corn they will make a pod 12 to 14 inches long, filled with large peas. You can pick them all through the summer as they ripen, as they will bear until frost kills the vines; good flavor and not as strong as most dark peas. About 2,900 peas in one pound.

Pkt., 10c; ½ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., 95c; 10 lbs., \$1.60

1248—BROWN SUGAR CROWDER (Semi-Dwarf)—Will bunch on poor ground, make some vine on good soil, earlier and sometimes larger than the White or Cream Crowder; very prolific. More certain to produce than any other Crowder. Green peas, 80 days, and dried peas in 100 days. There are about 2,000 peas in one pound.

Pkt., 10c; ½ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., 95c; 10 lbs., \$1.60

1249—BLACK CROWDER (Running)—Seed jet black with white eye, little larger than the White or Cream Crowder. They have a fine appearance and are well liked where known. They will make green peas in about 90 days and dried peas, 110 days. There are about 2,000 peas in one pound.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00; 10 lbs., \$1.75.

1250—CONCH OR ACRE (Running)—Seed small white with pale white eye. They are early, a shy seeder but superior in quality, and when green can be snapped and cooked like beans. Green peas in about 80 days, dried peas about 95 days. There are about 3,500 seed in one pound.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00; 10 lbs., \$1.75.

1251—GREY OR SILVER CROWDER (Semi-Dwarf)—Seed are grayish brown and have a silver cast like some Whip-poorwills. Produce very large, fine flavored green peas. Most always scarce; make green peas in about 90 days, dried peas about 100 days. There are about 1,500 peas in one pound.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00; 10 lbs., \$1.75.

1255—RAMSHORN BLACKEYE WILT RESISTANT (Semi-dwarf)—Produces green peas in about 70 days; dried peas in 85 days. The peas are much larger than the average California Blackeye and have a very delicious, tasty flavor green or dried. This new variety has leaped into popularity on account of its large peas, extremely long pods, its heavy yields and resistance to disease. Don't fail to plant this sure cropper.

Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00; 10 lbs., \$1.75.

1253—SMALL CREAM CROWDER (Bunch); also called Six Weeks or Two Crop—Will produce green table peas in six weeks; while we do not consider it superior to large cream crowder, it is equally as good and its earliness makes it more desirable to plant for early market. Matures dried peas in about 65 days; will make two crops on good land in one season. There are about 5,300 seed in one pound.

Pkt., 10c; ½ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., 95c; 10 lbs., \$1.60

1254—TAYLOR OR BLUE GOOSE (Running)—Also known as Grey Goose.—A very prolific yielder, and fine flavored, producing green peas in about 70 days and dried peas 80 to 85 days. Seeds large speckled and produce long pods, said by many to be the largest of all Southern table peas when green. There are about 1,800 seed in one pound.

Pkt., 10c; ½ lb., 20c; lb., 30c; 2 lbs., 45c; 5 lbs., 90c; 10 lbs., \$1.50



SWEET AND HOT PEPPERS

CULTURE—One ounce will produce about 1,000 plants. For early plants, sow in hotbeds the latter part of January, and transplant to open ground after all danger of frost is over, in rows 3 feet apart, 13 to 24 inches apart in the rows. Practice clean, shallow cultivation and apply a side dressing of complete fertilizer when plants are 6 to 8 inches tall.

All Prices on This Page Post Paid
Quantity Prices—See Yellow Price List Enclosed

Days Given Below Are From Time of Transplanting

296—CALIFORNIA WONDER (Certified) (Sweet) (70 days)—Plants are stocky and sturdy, vigorous and prolific over a long season. Fruits are borne upright, averaging 4 inches long and 3½ inches wide, with only a very slight taper to mostly 4 points. The outside of the fruits is very smooth. Color bright, dark green changing to brilliant crimson. The flesh is extremely thick and firm, sweet throughout and distinct flavor. One of the finest for stuffing. Certified California Wonder differs from Non-Certified California Wonder in being earlier in maturity, and with heavier yields. The finest green pepper grown by the oldest seed house in the United States, certified by the State. It packs well, ships well, holds up well.

Pkt., 10c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.65; ½ lb., \$4.50; 1 lb., \$8.00.

300—CALIFORNIA WONDER (Not Certified) (75 days)—Almost as large as Chinese Giant, short, blocky and square ended, splendid for stuffing, baking or serving with salad filling. Very mild, sweet, thick walled and an excellent shipper.

Pkt., 5c; ½ oz., 20c; oz., 30c; ¼ lb., 95c; ½ lb., \$1.70; 1 lb., \$3.25

305—WORLD BEATER (73 days)—Vigorous, sure cropper and very prolific. Fruits large, glossy, dark green, exceedingly mild; mostly four-lobed, flesh thick, firm and an excellent shipper.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.40; 1 lb., \$2.65

301—ROYAL KING (Sweet) (73 days)—It grows to a large size, is very mild, is of a bright green color changing to scarlet. The flesh is thick, meaty and fine flavored. Very prolific and one of the most desirable sweet peppers.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.35; 1 lb., \$2.50

303—CHINESE GIANT (Sweet) (80 days)—The ideal home garden pepper. The stocky, vigorous plants produce enormous fruits 4 to 5 inches in diameter and equally as long, and the color is a glistening dark green turning to a rich scarlet; flesh is deliciously sweet, mild, crisp, and of excellent quality.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.15; ½ lb., \$2.00; 1 lb., \$3.85

302—BELL OR BULL NOSE (Sweet) (66 days)—Ripens early and uniformly; large fruits with thick, mild flesh of excellent quality. Very productive. A splendid variety for home use and early market.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; ½ lb., \$1.45; 1 lb., \$2.80

304—LONG RED CAYENNE (65 days)—The most desirable long, hot pepper. It is a medium early sort having a slender, twisted and pointed pod about 5 inches long. A bright red color when ripe. Equally splendid for seasoning when green as when dried for winter use.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; ½ lb., \$1.45; 1 lb., \$2.75

312—PIMENTO (Sweet) (70 days)—Mostly used for canning, for seasoning and flavoring, also garnishing, but can be stuffed and baked. It has the most delicate, mild sweet flavor of any pepper. It is very smooth, heart-shaped tapering to a single point; dark green turning to a bright crimson.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.30; 1 lb., \$2.50

308—RED CHILI PEPPER (80 days)—A very hot, pungent, bright red pepper used for flavoring. Dwarf growing, with slender, pointed fruits about one inch long; very prolific.

Pkt., 5c; ½ oz., 20c; oz., 35c; ¼ lb., 95c; ½ lb., \$1.70; 1 lb., \$3.00.

SPECIAL SUBSCRIPTION OFFER

Enclose 50c with your seed order remittance and we will send you *The Progressive Farmer-Southern Ruralist* for 2½ years. You will find it worthwhile articles on farming, gardening, fruit, chickens, hogs and cows very interesting and helpful.



California Wonder



Cayenne



Bell or Bull Nose



Chinese Giant



Red Chili



PUMPKIN SEED

CULTURE—One ounce will plant 20 hills; 3 pounds will plant 1 acre. Plant in hills 8 to 10 feet apart each way; 4 seeds to the hill. For a good crop the soil should be rich. Cultivate same as cucumbers or melons. Pumpkins should not be planted in the garden, as they will readily mix with squash. Plant in corn, about 15 feet apart.

All Prices on This Page Post Paid
Quantity Prices—Not Prepaid—See Yellow Price List
Enclosed

316—KING OF THE MAMMOTH (115 days)—A giant among pumpkins. Used largely for stock feeding and exhibition purposes. Fruits occasionally weigh 100 pounds. Flesh solid; thick and deep orange in color; good keeper.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; 1 lb., 95c; 5 lbs., \$4.30

314—KENTUCKY FIELD (110 days)—Our stock especially grown for seed purposes. Fruit large, slightly ribbed, dull orange, flattened to round. Deep yellow, of good flavor. Excellent for pies, canning and stock feed. Vigorous, prolific, good keeper, about 20 pounds.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; 1 lb., 50c; 5 lbs., \$1.95

315—CUSHAW (Green Striped) (110 days)—The fruits are crooknecked. The rind is cream mottled with irregular green stripes. Weight about 12 pounds. A fine table pumpkin and equally good for stock. Large and very productive; meat is rich, yellow, tender, of the best flavor, very sweet and good keeper.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; 1 lb., 85c; 5 lbs., \$3.70

317—TENNESSEE SWEET POTATO (110 days)—Fruits are pear-shaped. The creamy yellow flesh is very thick, fine grained, very sweet and delicious and like the sweet potato in flavor. A first class keeper and good yielder. Weight about 15 pounds.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; 1 lb., 80c; 5 lbs., \$3.65

313—SMALL SUGAR (100 days)—Not large, but one of the sweetest and best for pies; fine grained, deliciously sweet and a good keeper; flesh rich, deep orange-yellow.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; 1 lb., 80c; 5 lbs., \$3.65

325—CORNFIELD PUMPKINS (For Feeding Stock) (110 days)—Grow two crops in one field; plant this heavy yielding pumpkin in all late corn.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 5 lbs., \$1.50



Dickinson

318—DICKINSON—The finest pumpkin for canning and feeding; the flesh is extraordinarily thick, being twice or three times as thick as other pumpkins. It has an unusual, brilliant, deep gold color that is unique. It is one of the few pumpkins that can be canned without the addition of sugar, starch or coloring; the texture is smooth with a protein content 5 to 8 per cent higher than other Field Pumpkins, therefore that much more valuable for human food or stock feeding. It yields tremendous tonnage and will succeed where other pumpkins are ruined by insects.

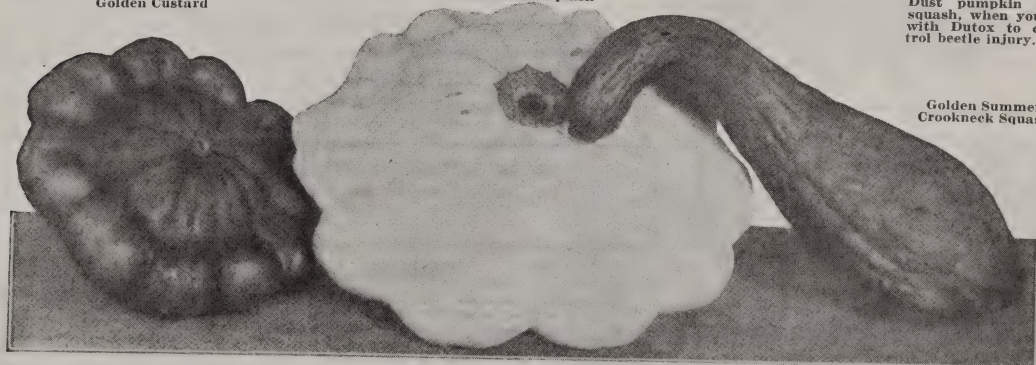
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; 1 lb., 80c; 5 lbs., \$3.65

Golden Custard

White Bush Squash

Dust pumpkin and squash, when young, with Dutox to control beetle injury.

Golden Summer Crookneck Squash



SQUASH SEED

Summer Squash, 1 ounce plants 35 hills; 4 to 5 pounds an acre
Winter Squash, 1 ounce plants 35 hills; 3 to 4 pounds an acre.

CULTURE—After danger of frost is past, plant in a warm, well-pulverized rich soil, mixing well-rotted manure in each hill. Plant about 1 inch deep, 6 to 8 seeds to the hill, the summer varieties 3 to 4 feet apart, the winter sorts 8 to 10 feet. When well established, thin out, leaving 3 of the strongest plants in each hill.

363—EARLY PROLIFIC STRAIGHTNECK (50 days)—Winner 1938 All America Award. New, high yielding summer squash, earlier than Giant Straightneck, which it replaces. Fruits straight, smooth and of bright, deep lemon yellow color. Its rich, buttery flavor is unsurpassed in squash. It is firm with a pronounced flavor when young and remains tender until very large.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; 1 lb., 75c; 5 lbs., \$3.25

367—GOLDEN CUSTARD (58 days)—Like White Bush except its golden color and richer flavor.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; 1 lb., 75c; 5 lbs., \$3.25

368—EARLY WHITE BUSH (53 days)—The well known White Scalloped Squash. One of the earliest; very productive; skin and flesh a light cream color, tender and of the highest quality. Cooks quickly.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; 1 lb., 75c; 5 lbs., \$3.20

371—EARLY GOLDEN SUMMER CROOKNECK (52 days)—Bush variety, early, profuse and prolonged bearer; golden yellow, with a pronounced, true, rich squash flavor.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; 1 lb., 75c; 5 lbs., \$3.25

372—GIANT YELLOW CROOKNECK (58 days)—Fruit is large, bright yellow, thick flesh. This squash offers unusual size without sacrificing good quality.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 40c; 1 lb., 75c; 5 lbs., \$3.20

374—HUBBARD (100 days)—One of the best winter squashes; flesh bright orange-yellow, fine-grained; very dry and sweet. Can be stored like a pumpkin.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; 1 lb., 85c; 5 lbs., \$3.75



Buchanan's Perfection



Buchanan's French Breakfast Radish



White Icicle

BUCHANAN'S RADISH SEEDS

CULTURE—Sow in open ground in spring, as soon as the soil can be worked. Sow in rich sandy loam, in drills 18 inches apart; thin plants to prevent crowding. Keep the soil loose and apply a little nitrate of soda. Successive plantings should be made every 10 days or 2 weeks to keep up a continuous supply of crisp and tender radishes. For early use plant the round or button radishes and olive shaped. For later use plant the long and half-long varieties. Sow one ounce of seed to 100 feet of row.

FOR FIELD PLANTING—Plant in rows 15 inches apart, plants 3 inches apart, 8 to 10 pounds to acre; matures in 24 to 40 days.

All Prices on This Page Post Paid. All 10c Items 3 for 25c
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

ROUND AND TURNIP SHAPED VARIETIES

344—BUCHANAN'S NEW PERFECTION (Half White) (25 days)—The perfected white tip. The white portion extends farther up than on ordinary white tip. The brilliant scarlet red affords a distinct contrast to the large white portion. It is turnip shape, very uniform, with crisp, tender, sparkling flesh. Ideal for home garden and marketing, as it does not become pithy until after matured.

339—EARLY SCARLET TURNIP (White Tipped) (25 days)—The long used standard white tip. Roots nearly round with small tap root; bright red with small white tip. Flesh white crisp and mild.

351—EARLY SCARLET GLOBE (23 days)—Slightly olive-shaped, with white, tender, crisp flesh and rich, bright scarlet-red skin. Excellent for home use and especially recommended for gardeners because of its earliness, uniformity of size and short top which is strong enough to bunch well.

350—FRENCH BREAKFAST (25 days)—Early, half long, deep scarlet radish with white bottoms. Flesh white, crisp. Best of the half long type.

LONG VARIETIES

346—WHITE ICICLE (27 days)—Best early long white variety. Adapted to early spring plantings since it remains crisp and tender longer than any other radish. Its hardness makes it popular for fall planting also. Roots 5 to 5½ inches long, snowy white outside with brittle, tender, glistening white flesh of mild, inviting flavor.

343—LONG SCARLET SHORT TOP (27 days)—Roots smooth, uniform, 5 to 6 inches, tapering, dark scarlet with small tops and white, crisp flesh. Best long red type.

353—MIXED RADISHES (26 to 30 days)—Assorted, giving a succession of crisp, tender radishes over a long period.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 65c; 5 lbs., \$3.00

WINTER VARIETIES

349—LONG BLACK SPANISH (50 days)—One of the hardiest and best winter keeping varieties. Large, firm; jet black skin, flesh snow-white; exceedingly crisp and free of pithiness.

348—CHINA ROSE WINTER (50 days)—Skin a deep rose color, flesh pure white, firm and crisp. Good keeper. The most popular winter radish.

Prices on All Radishes except where priced otherwise

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 45c;

1 lb., 75c; 5 lbs., \$3.25

EDIBLE SOY BEANS

Soy beans, as human food, are one of the cheapest and best sources of complete protein, fat, minerals and Vitamin B. The high protein content of soy beans is more nearly like that found in meat and more easily digested. For twenty-five years the famous Battle Creek Sanatorium has been serving tasty, healthful soy bean foods in many ways. They are more drought resistant and less susceptible to insect injury than other garden beans. Be sure to plant some of this easily grown, sure cropping new vegetable. The green beans are delicious and ideal for winter use dry and are never attacked by weevil. To shell green beans, pour boiling water over them and allow to stand until cool enough to handle. To cook when dry, soak overnight.

CULTURE—After danger of frost, plant in rows approximately 3 feet apart. When 6 to 8 inches high thin to 1 plant, every 3 to 5 inches. Give clean, shallow cultivation as you would snap beans. One pound plants about 200 feet.

54—EDSOY (90 days to green beans)—Listed last year as Early Edible. In tests of 125 varieties at Mississippi State College this bean was outstanding in earliness, yield, quick cooking and fine flavor. Plant upright, about 3 feet high, beans creamy yellow. Don't fail to try this most delicious early maturing heavy yielding soy bean.

55—EARLY NANDA (95 days to green beans)—This variety rated excellent as to flavor and tenderness in extensive cooking tests. It has consistently yielded well and we unhesitatingly recommend it as a superior edible soy. Soy beans are not acid forming in the process of digestion and probably supply more minerals than any other vegetable. Unusually fine for growing children.

Soybean Prices—Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c



All Prices on This Page Post Paid. All 10c Items, 3 for 25c
Quantity Prices—Not Prepaid—See Yellow Price List
Enclosed

BUCHANAN'S TURNIP SEEDS

CULTURE—One ounce will sow 100 feet in drill; 2 to 3 pounds for an acre. For early use, sow seed in open ground in spring, in drills 1 foot or more apart, using seed sparingly. Thin to 3 or 4 inches apart. For succession sow every two weeks until May. For fall and winter, sow in August and until November. A good crop may be grown by scattering seed in corn field at last cultivation.

408—SHOGGIN (Louse-Resistant)—Resists heat, dry weather, and insect attacks. Quickly produces an enormous yield of upright-growing, succulent foliage, which is crisp, tender, and of superb mild flavor. The "greens" are ready for use in 25 days. Roots are large, pure white, semi-globular, and of a most excellent quality. A great dual purpose turnip.

Pkt., 5c; oz., 10c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.10; 5 lbs., \$4.95

402—AMERICAN RED TOP WHITE GLOBE—Globe shaped, the upper part reddish purple, lower part snow-white. Flesh pure white, sweet and tender. Produces turnips quickly.

Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c; 5 lbs., \$2.40

401—PURPLE TOP WHITE GLOBE—An all-purpose variety, extensively used for home and market gardens and for shipping. Our purebred strain is noted for its uniformity and productivity. Tops dark green, large, erect. Roots large, globe shaped, very smooth, upper part purple, white below. Flesh white, sweet, crisp and tender.

Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c; 5 lbs., \$2.00

395—LARGE WHITE GLOBE—Skin and flesh pure white. An excellent producer of good quality greens and turnips.

Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c; 5 lbs., \$2.00

399—PURPLE TOP FLAT STRAP LEAF—A desirable early, flat, sweet, tender turnip for spring planting.

Pkt., 5c; oz., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75

400—SEVEN TOP—Used exclusively for greens; will grow all winter. Can be planted spring or fall.

Pkt., 5c; oz., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75

404—SOUTHERN PRIZE—Very desirable for winter and spring greens. Similar to Seven Top, but the leaves grow more upright and larger. Not quite so hardy as Seven Top, but a heavy producer of delicious salad.

Pkt., 5c; oz., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75

405—BUCHANAN'S MIXED TURNIP—Mixture of all sorts, giving a variety of turnips, roots and tops, from fall to spring, from one sowing.

Pkt., 5c; oz., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75

406—EXTRA EARLY WHITE EGG—A very early, tender and crisp turnip; solid, fine grained, sweet.

Pkt., 5c; oz., 10c; ¼ lb., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25

411—PURPLE TOP YELLOW ABERDEEN—A yellow-fleshed late turnip; sweet, tender, good keeper.

Pkt., 5c; oz., 10c; ¼ lb., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25

413—AMBER GLOBE—The best yellow fleshed turnip. Very hardy fine grained, tender and sweet.

Pkt., 5c; oz., 10c; ¼ lb., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25

414—LONG WHITE COW HORN—A purple top long white variety, growing in shape similar to a cow's horn.

Pkt., 5c; oz., 10c; ¼ lb., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25

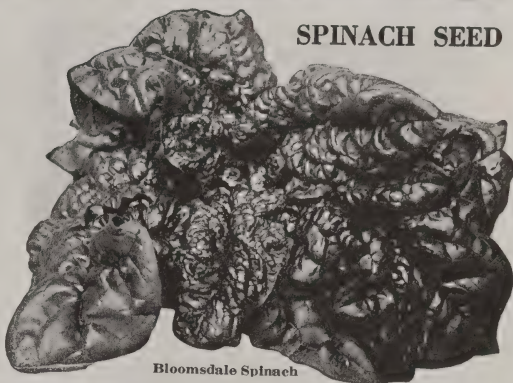
418—RUTABAGA—IMPROVED PURPLE TOP YELLOW—Grows the same shape and size as Purple Top Globe Turnips. Color of skin, yellow with purple crown. Flesh deep yellow, fine grain and of excellent quality. It is an excellent keeper.

Pkt., 5c; oz., 10c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.10; 5 lbs., \$4.95

35c, BUCHANAN'S BIG-6 TURNIP COLLECTION, 35c

For 35c we will send you post paid one ounce each of Extra Early White Egg, Purple Top Strap Leaf, Amber Globe, Purple Top Globe, Large White Globe, and Seven-Top—6 ounces of turnips, all different, for 35 cents, delivered at your post office.

SPINACH SEED



Bloomsdale Spinach

CULTURE—One ounce to 60 feet to drill. For an early crop, sow early in the spring, in drills, 1 foot apart, and thin out to 2 inches in the row. For winter and early spring crop, sow either broadcast or in drills about the first of September to November.

FOR FIELDS—Plant in drills, 10 pounds per acre. Produces enormously and is one of the South's best quick money crops.

354—RESELECTED BLOOMSDALE SAVOY (42 days)—Leaves well rounded, much crumpled and blistered, glossy, and of a deep green color. Early, vigorous and good shipper. Recommended for planting in the fall and early spring. It is used extensively by both market and home gardeners, and is of high quality.

Pkt., 5c; 1 oz., 10c; ¼ lb., 30c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.25

358—LONG STANDING BLOOMSDALE (Savoy Leaved) (45 days)—Very long standing. Leaves are intensely crumpled and blistered, glossy, of a dark green color, and well rounded. Plant large, very uniformly compact, erect, sturdy and will remain in good condition from 12 to 14 days longer before running to seed. Especially desirable for spring planting.

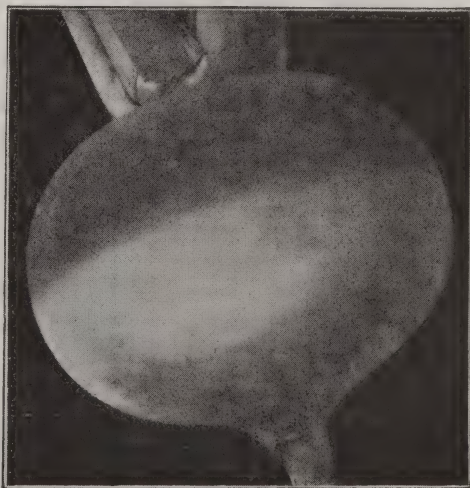
Pkt., 5c; 1 oz., 10c; ¼ lb., 25c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.25

361—NEW ZEALAND (60 days)—Does well on almost any type soil and thrives in hot, dry weather, when most greens are scarce, if spaced about 18 inches in the row. Cut and come again variety that bears until frost.

Pkt., 5c; 1 oz., 15c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25; 5 lbs., \$6.00

362—LARGE VIROFLAY (48 days)—A large, very upright, vigorous growing variety, with long, broad, pointed, thick, smooth leaves of deep green color. Desirable for home gardens, for truckers and becoming a popular variety for shipping and canning.

Pkt., 5c; 1 oz., 10c; ¼ lb., 25c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.25



Purple Top Globe

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS****BUCHANAN'S TOMATO SEEDS**

CULTURE—Six or eight weeks before frost is over, sow $\frac{1}{4}$ inch deep in hot-beds, in pots or shallow boxes in the house, and when they have made 4 leaves, transplant to boxes or pots to promote root growth. Expose as much as possible to harden them so that, when set out in the open ground, they will be strong and stocky, but do not allow the growth to be checked. Transplant 3 to 4 feet apart in a light, warm soil, and shade them a few days until they are well rooted. One ounce makes about 1,000 strong plants; 4 ounces will make plants for an acre.

FOR FIELD PLANTING—Set plants 3 feet apart in rows 4 feet apart; require 3,600 plants to acre.

Maturity estimated from time plants set in field.

All Prices on Tomatoes Post Paid. All 10c Pkts. 3 for 25c
Quantity Prices—See Yellow Price List Enclosed

**Certified Master Marglobe**

384—CERTIFIED MASTER MARGLOBE (Bright Deep Red) (Wilt and Rust Resistant) (80 days)—Master Marglobe has been perfected by individual plant selection. We believe this strain is without doubt the most perfect all-purpose Tomato thus far. Its large, nearly round, smooth, solid fruits are ideal for home use and local market. It also ranks first as a green wrapped shipper. The flavor will please the most discriminating taste. The partitions which divide the small seed cavities and the outer wall are thick, meaty and firm. Vine is sturdy, carrying the fruit well, with sufficient foliage to protect its fruit. In Master Marglobe we offer a tomato, probably the most resistant to wilt, rust and blight.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 30c; $\frac{1}{4}$ lb., 95c; $\frac{1}{2}$ lb., \$1.70; 1 lb., \$3.20

**Certified Greater Baltimore**

381—PONDEROSA (Purplish Crimson) (88 days)—Fruits are very large, solid, meaty, and very sweet; deep, but flat; very fleshy, with few seeds; of very mild flavor. Our selected strain of Ponderosa is less rough and ribbed than the ordinary Ponderosa and is quite popular. It makes fine slices and is suited only to home use and local market.

Pkt., 10c; $\frac{1}{2}$ oz., 25c; 1 oz., 40c; $\frac{1}{4}$ lb., \$1.15; $\frac{1}{2}$ lb., \$2.10; 1 lb., \$3.95

382—NEW STONE (Deep Red) (86 days)—The standard and general favorite with truckers and canners; always dependable, very vigorous and productive, fruits round, large, solid, smooth, and possess the color, size, flavor and uniformity so desirable for canning.

Pkt., 5c; $\frac{1}{2}$ oz., 15c; 1 oz., 25c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.10; 1 lb., \$1.95.

388—OXHEART (Pink) (90 days)—Shaped like a beef heart and when grown under favorable conditions it produces enormous fruits with probably less seed and more meat than any other Tomato. Its attractive, novel appearance, mild flavor and firmness have won for it popularity in the home garden and local market where it commands a premium.

Pkt. 10c; $\frac{1}{2}$ oz., 30c; 1 oz., 45c; $\frac{1}{4}$ lb., \$1.50; $\frac{1}{2}$ lb., \$2.75; 1 lb., \$5.35

380—CERTIFIED MARGLOBE (Deep Red) (79 days)—Our certified Marglobe was field inspected and certified as being uniformly true to type and disease resistant. A heavy producing strain of large smooth, beautiful globe shaped fruits most desirable for table use, canning, juicing and marketing. The fruits have thick, firm walls and partitions with small seed pockets; flavor mild.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 30c; $\frac{1}{4}$ lb., 95c; $\frac{1}{2}$ lb., \$1.75; 1 lb., \$3.35

393—MARGLOBE (Wilt-Resistant) (Red) (79 days)—Fruits are of medium size, smooth, solid and deep from stem to blossom ends. They are set in clusters of 5 to 7 on vines with medium to heavy growth. Cell structure is irregular. It is wilt resistant; the popular Globe shape, scarlet color; good cropper, marketer and shipper. Marglobe simply leaped into popularity for the main tomato in wilt territories—the best all-round variety.

Pkt., 5c; $\frac{1}{2}$ oz., 15c; 1 oz., 25c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.10; 1 lb., \$2.00

392—CERTIFIED GREATER BALTIMORE (Scarlet Fruit) (83 days)—Mid-season variety of great merit; very heavy, due to extreme firmness and very thick meat. The fruit ripens evenly and is free from ridges and cracks, making it one of the best canning tomatoes. It is dependable, producing heavily under bad weather and soil conditions where many would fail. It is considered more certain to produce a heavy fall crop than any other tomato. It is also very well suited for home gardens and markets because of its attractive appearance. Our special certified seed insures to you the very finest crops your soil and season will allow.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 30c; $\frac{1}{4}$ lb., 95c; $\frac{1}{2}$ lb., \$1.80; 1 lb., \$3.45

377—BUCHANAN'S BEEFSTEAK (Scarlet) (90 days)—The plants are healthy and luxurious, quite blight-resistant and continuous and abundant bearers. Fruits are very large, semi-flat, very meaty, with a solid center and an inviting, tasty flavor. Because of its desirable qualities it is popular for the home garden.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 35c; $\frac{1}{4}$ lb., \$1.10; $\frac{1}{2}$ lb., \$2.00; 1 lb., \$3.85

378—EARLIANA IMPROVED STRAIN (Bright Red) (66 days)—Don't fail to plant for your early Tomatoes this much improved strain developed by Pennsylvania State University. Fruits thicker, smoother, of better quality than the old strain of Earliana.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 35c; $\frac{1}{4}$ lb., \$1.10; $\frac{1}{2}$ lb., \$2.00; 1 lb., \$3.85

397—BUCHANAN'S BRIMMER TOMATO (Dark Pink) (90 days)—The largest of all tomatoes. Single tomatoes weighing 3 pounds and 18 inches around have been grown by training to a single stem. It must be staked. In quality and size there is no tomato that can compare with Brimmer and it is the most productive of all large tomatoes; deliciously mild and free of excess acidity. Brimmer has a very large, solid, meaty center and only a few small outer seed cavities. Even though so large, fruits are well shaped and make the finest slicing tomato for home use.

Pkt., 10c; $\frac{1}{2}$ oz., 25c; 1 oz., 40c; $\frac{1}{4}$ lb., \$1.15; $\frac{1}{2}$ lb., \$2.15; 1 lb., \$4.15

We especially urge you to plant Certified Tomato Seed when available since it is certified as to excellency of stock, truthness to type and freedom from disease. However, we offer non-certified seed of the following varieties which are described elsewhere in Certified Seed.

390—RUTGERS **391—GREATER BALTIMORE**
Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 70c; $\frac{1}{2}$ lb., \$1.20; 1 lb., \$2.25

387—BREAK O'DAY
Pkt., 5c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., 85c; $\frac{1}{2}$ lb., \$1.60; 1 lb., \$3.00



BUCHANAN'S TOMATO SEEDS

376—CERTIFIED RUTGERS (Rich Red) (Wilt and Rust Resistant) (72 days)—Rutgers produces a rather large plant, so strong that it withstands wind and rain better than any other variety, supporting its abundant crop perfectly. On good, rich land, heavy applications of nitrogen should not be made. Abundance of foliage serves as ample protection from sun-scaud of the fruits. The fruits being larger than Marglobe, tend to flatten out more. The internal structure is as good as our Marglobe, having thick outer and inner walls, and very small seed cavities. The internal color is darker red than Marglobe. Rutgers makes juice of low acidity and fine flavor, intermediate between the sweet Marglobe and the very tart late varieties. It is a good canning tomato. Rutgers will yield as well as Marglobe, and on light, sandy soil will surpass this variety.

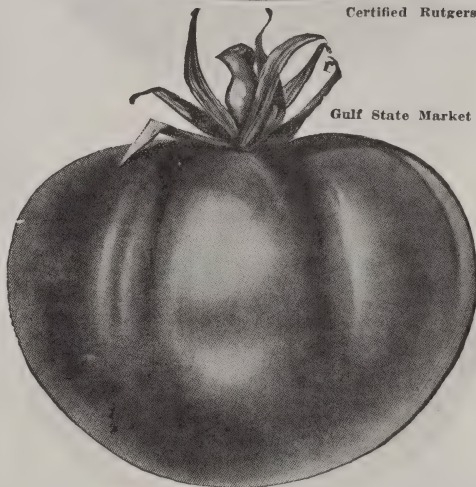
Pkt., 10c; ½ oz., 20c; 1 oz., 30c; ¼ lb., 95c; ½ lb., \$1.70; 1 lb., \$3.25



Certified Rutgers

394—GULF STATE MARKET WILT RESISTANT (Purplish Pink) (82 days)—We believe the Gulf State Market to be the chief purplish-pink fruited market variety grown in the Gulf States. The vines are very vigorous and withstand blight exceptionally well. The fruits are large, true globe shaped, show but little depression about the stem and are smooth and free from cracks. It ripens uniformly well up to the stem. Very productive and an excellent commercial shipper.

Pkt. 10c; ½ oz., 20c; 1 oz., 30c; ¼ lb., 95c; ½ lb., \$1.80; 1 lb., \$3.45



Gulf State Market

396—CERTIFIED BREAK O'DAY (Deep Scarlet) (Wilt and Rust Resistant) (70 days)—Its outstanding features are earliness and productiveness. It resembles Marglobe in shape, depth of fruit, thickness of wall and color, both inside and outside. The fruits are of medium size, deep, solid and almost seedless.

Pkt. 10c; ½ oz., 20c; 1 oz., 30c; ¼ lb., 95c; ½ lb., \$1.80; 1 lb., \$3.45

385—MINGOLD (Deep Yellow) (72 days)—A mild flavored, yellow fruited tomato, very similar in size and season to Marglobe. Where size and quality are concerned Mingold excels all previously known yellow types. It has a mild, sweet flavor not found in red colored sorts. It is early, deep round in shape, with a thick, firm outer wall. With its additional Vitamin D, attractive color and shapely fruits, along with the reds, it is popular and colorful in salads, and also satisfies a growing demand for yellow tomato juice. It should replace all other yellow tomatoes.

Pkt., 10c; ½ oz., 25c; 1 oz., 40c; ¼ lb., \$1.30; ½ lb., \$2.45; 1 lb., \$4.75



Mingold

TOBACCO

CULTURE—The seed should be sown as soon as possible after danger of frost is over. When the plants are 6 inches high, transplant into rows 3 feet apart each way.

365—WHITE BURLEY—Heavy yielding. Rich broad leaves. Easy to cure. Desirable for cut or plug tobacco.

366—HAVANA—Large, long leaves. Of fine texture and delightful flavor. One of the earliest.

Price, either variety—Pkt., 10c; ½ oz., 30c; 1 oz., 50c

SALSIFY—THE VEGETABLE OYSTER

364—MAMMOTH SANDWICH ISLAND—Plant seed in early spring in rich, loamy, deep soil and thin to 3 inches apart. Cultivate cleanly all summer and dig as needed through fall and winter. This is a large and vigorous strain with long, white tapering roots, less likely to branch, with flavor resembling oysters. Fine for home garden or market.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 75c; 1 lb., \$1.35



BUCHANAN'S WATERMELON SEEDS

HOW TO GROW MELONS—Rich, sandy loam soils are considered best for Watermelons, but good crops are grown on any type of well-drained, fertile soil. The adding of well-rotted manure to soil will give the plants a good start, and to commercial growers we recommend an application of 600 to 800 pounds of mixed fertilizer to the acre. The best yields are procured when the hills are spaced at least 10 feet apart. This method will give about 360 hills to the acre. When the soil has become warm, drop 5 to 3 seeds in each hill and cover about 1 inch deep. Later thin to 2 or 3 of the largest plants. Earlier crops may be obtained by protecting the young plants with Hot-kaps. Give shallow cultivation every 10 days. One ounce will plant 25 hills; 2 to 3 pounds per acre.

All Prices on this Page Post Paid. All 10c Pkts., 3 for 25c



Florida Giant



Early Kansas



Dixie Queen

232—FLORIDA GIANT (92 days)—This melon has suddenly become very popular throughout the South. It makes vigorous vine growth, does not sunburn as easily as many varieties and develops attractive fruits of enormous size that commonly weigh 50 to 75 pounds, and under ideal growing conditions may attain a weight of 100 pounds. It is oval-round; skin color dark green and the rind is thick, making it an excellent shipper even though large. The flesh is a rich red, firm and unusually sweet. It is a prolific bearer and ideally suited to our Southern soils and climate.
Pkt., 5c; oz., 10c; 2 ozs., 20c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 95c; 5 lbs., \$4.25.

255—NEW STONE MOUNTAIN (Select Strain) (90 days)—One of the finest, sweetest, largest medium early Watermelons. Under favorable conditions, fruits weigh from 40 to 60 pounds, and ripen in 85 to 90 days. The fruit is almost round or square-shaped with rich, dark green, medium thick rind, and dazzling scarlet flesh of luscious sweetness. It has few seeds, is firm and solid, almost all heart, and truly an unsurpassed table delicacy. The rind is sufficiently tough to stand considerable handling, making it an excellent shipper. It is very prolific, withstands drouth, and will produce a fine crop of good melons when other varieties fail. It is the most popular round-type Watermelon for the home garden or market.
Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 70c; 5 lbs., \$2.95.

241—EARLY KANSAS (Originator's Strain) (80 days)—The Early Kansas has finest texture, sweet flavor and melting, bright red meat, solid to the rind, which is about one-half inch thick. Nearly round in form, light green with broad bands of wavy stripes, growing 30 to 50 pound melons, with some specimens up to 60 pounds. It is a vigorous grower producing equal to or better than any other melon; under normal conditions 800 to 1,000 melons per acre, weighing 30 pounds each, is not unusual, and every melon a good one, no white or stringy hearts, and a wonderful shipper.
Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 65c; 5 lbs., \$2.70.

228—DIXIE QUEEN (85 days)—Almost round or square-shaped fruits, light green, veined with darker green; medium but tough, thin rind; richest scarlet flesh. Average weight 35 pounds, although under favorable conditions many will attain a weight of 60 pounds. Its quality, convenient size and shape make it very popular, more especially in certain markets that are now demanding smaller Watermelons. It is juicy and sweet. The small white seeds are very few. A splendid shipper and unsurpassed for the home melon patch.
Pkt., 5c; oz., 10c; 2 ozs., 20c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 90c; 5 lbs., \$4.00.

236—COLE'S EARLY (75 days)—A leading early, productive variety for home gardens and local markets, especially profitable for a first crop. Fruits medium size, short, oval, with alternate dark and light green stripes. The flesh is red, very firm and of delicious flavor.
Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 65c; 5 lbs., \$2.70.

237—GEORGIA RATTLESNAKE (90 days)—A very productive main crop home garden and shipping variety that has been an old favorite in the South for many years. The melons are large, long, gray green with irregular dark green stripes and with very tough rind. Flesh is bright scarlet, very sweet and of fine quality. Its attractive coloring makes it a popular market melon.
Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.25.

234—WINONA (90 days)—The fruits are medium size, oblong, weighing 25 to 35 pounds. Color very dark green, flesh crimson-red, crisp, sweet and fine texture. A vigorous and prolific melon of delicious flavor for home gardens and local markets.
Pkt., 5c; oz., 10c; 2 ozs., 20c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.00; 5 lbs., \$4.50.

STATE CERTIFIED WATERMELON SEEDS

THE BEST

THE PUREST

Try these most carefully selected seed.

229—NEW STONE MOUNTAIN.

230—TOM WATSON

242—IMPROVED KLECKLEY SWEET.

Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., 95c; 5 lbs., \$4.00.

254—DIXIE QUEEN.

239—FLORIDA GIANT

Pkt., 10c; oz., 20c; 2 ozs., 35c; ¼ lb., 50c; ½ lb., 75c; 1 lb., \$1.35; 5 lbs., \$5.95.



BUCHANAN'S WATERMELON SEEDS

231—LEESBURG (Wilt Resistant) (85 days)—It is almost immune to wilt. This desirable strain was developed from Kleckley's Sweet and retains its outstanding, delicious flavor. However, it has better shape, uniformity, and on account of its thin, hard, tough rind, is an ideal commercial melon. It is vigorous and productive and because of its deep root system continues to bear under adverse weather conditions. The flesh is a rich reddish pink with no trace of white hearts; sweet and tender.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.25

240—BUCHANAN'S IMPROVED CUT RED TOM WATSON WATERMELON (90 days)—The real red meated Tom Watson. Its tough, medium thick, elastic rind makes it the finest shipper. Our seed are selected from the largest, finest melons in the field and is bred to eliminate hard, white centers. Flesh deep red, juicy and sweet, weigh 40 to 60 pounds.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; ½ lb., 45c; 1 lb., 80c; 5 lbs., \$3.50

233—IMPROVED KLECKLEY'S SWEET OR WONDERMELON (87 days)—Those who think they know Watermelons will tell you that until you have eaten a slice of Improved Kleckley's or Wondermelon, you haven't really tasted the finest flavor to be found in Watermelons. All of the sparkling, crisp, bright crimson meat is deliciously sweet right up to the thin rind. For the home garden we recommend it without reserve; it carries well for short distances, for the rind, though thin, is very tough. It is not unusual to have them weigh 50 pounds or more.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 70c; 5 lbs., \$3.00

235—HALBERT HONEY (85 days)—Similar to Kleckley Sweet, but earlier, and slightly larger. The flesh is a most beautiful crimson, with the rich coloring and luscious quality extending to the thin rind. It is unusually sweet and free of stringiness. Melons are oblong, dark green, very uniform in shape and size. Fine for home use and nearby market.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.25

226—HAWKESBURY WILT RESISTANT (85 days)—Probably the best all purpose gray watermelon introduced to date. Because of its wilt resistance and superior qualities it should replace all other gray melons. Hawkesbury is a long melon, slightly tapering to either end, medium to large in size. Flesh is bright watermelon red with a minimum of stringiness or coarseness and of excellent flavor. Its tough rind makes it an ideal shipping melon and it is equally desirable for home use.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; ½ lb., 45c; 1 lb., 80c; 5 lbs., \$3.50



Each HOTKAP is a small hothouse, to speed development as well as protect. HOTKAPS mean stronger, healthier plants, with larger and earlier yields—and premium price result! Crops protected with HOTKAPS get to market 2 to 3 weeks earlier, sometimes more. Their slight cost is returned many times in higher prices.

HOTKAPS are patented wax paper cones, placed over the seed or plant. They maintain perfect mulch around each plant, by preventing drying and crusting of the ground. They are easy to set out.

HOTKAPS ARE INEXPENSIVE

Germaco HOTKAPS come in rolls of 1,000 each, and in smaller special trial or garden packages. For field use, use the steel HOTKAP setter.

Prices on Germaco HOTKAPS

	At Store	Post-paid
25 Special 100 package (contains 100 HOTKAPS, garden setter).....	\$ 0.50	\$ 0.65
Special 250 package (contains 250 HOTKAPS, garden setter).....	1.95	2.15
Special 500 package (contains 500 HOTKAPS, and setter) each.....	3.50	3.75
5,000, without setter.....	6.00	6.45
1,000, without setter.....	11.00	11.60
Steel HOTKAP setter.....	10.75	
Garden setter, each.....	1.35	1.50
	.15	.30



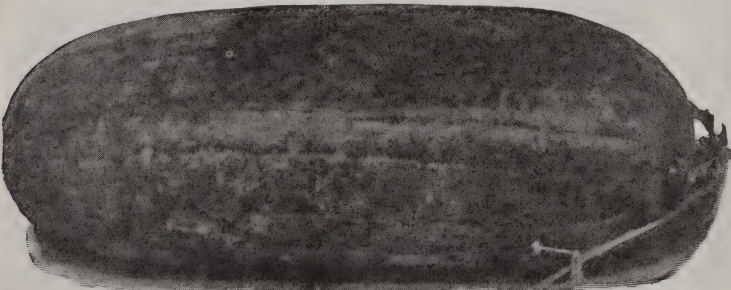
Cut Red Tom Watson

HOTKAPS

PROTECT PLANTS
FROM FROST,
WIND, RAIN,
AND
INSECTS



Halbert Honey



Leesburg



BUCHANAN'S FLOWER SEEDS

CULTURAL DIRECTIONS are printed on the packets. By following them almost any person will have fair success in the culture of flowers. While some seeds need especial treatment, the following general rules will apply to all: Make the surface of the soil as fine, smooth and level as possible; do not plant when the ground is wet; cover each lot of seeds to a uniform depth, which should not be more than four or six times the diameter of the seed; press the soil firmly over the seed; plant in rows so that the starting plants can be seen easily, thin out the young plants to prevent crowding and keep entirely free from weeds. Never allow the seedlings to suffer from drouth.

All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c—7 for 50c

BUCHANAN'S CALIFORNIA GROWN SPENCER SWEET PEAS

LATE FLOWERING SPENCER SWEET PEAS				Pkt.	Oz.	Lb.	Lb.
850	King White.	Pure white. Free flowering, very large		.10	.15	.50	1.75
851	Pinkie.	Large rose pink.		.10	.15	.50	1.75
852	Capri.	Clear silver blue. Long stems.		.10	.15	.50	1.75
853	Fiery Cross.	Brilliant orange cerise.		.10	.15	.50	1.75
854	Ambition.	Rich lavender with sheen of rose pink.		.10	.15	.50	1.75
855	Warrior.	Rich red maroon flushed with bronze.		.10	.15	.50	1.75
856	Debutante.	Salmon shaded coral.		.10	.15	.50	1.75
857	Dobbie's Cream.	Deep cream with waved petals.		.10	.15	.50	1.75
858	Powerscourt.	Large lavender		.10	.15	.50	1.75
859	Rubicund.	Crimson scarlet		.10	.15	.50	1.75
860	Royal Purple.	Rich purple		.10	.15	.50	1.75
861	Prince of Orange.	Deep orange.		.10	.15	.50	1.75
876	Unrivalled Mixture.	Beautiful blend of all above varieties		.10	.15	.45	1.50
875	Ruffled Mixture			.10	.15	.50	1.75

EARLY FLOWERING SPENCER SWEET PEAS

825	Improved Snowstorm.	Finest white.	.15	.40	1.25	4.00
826	Grenadier.	Dazzling poppy scarlet.	.15	.50	1.50	5.00
828	Burpee's Salmon.	Rich salmon overlaid with coppery sheen	.15	.40	1.25	4.00
829	Zvolanek's Rose.	Bright rose pink, very floriferous	.15	.40	1.25	4.00
830	Bluebird.	Violet blue	.15	.40	1.25	4.00
831	Glitters.	Brilliant, sparkling cerise	.15	.40	1.25	4.00
827	Harmony.	Clear lavender, very free flowering.	.15	.40	1.25	4.00
832	Mixed.	Well balanced of newest and brightest colors	.10	.20	.60	2.00

AGERATUM. Popular summer and fall blooming plants. The dwarf varieties are ideal for borders, rockeries, beds and they, as well as the tall varieties are excellent cut flowers.

506	Midget Blue.	The fine delicate foliage is practically covered with true ageratum blue flowers. Really dwarf—grows only 3 to 4 inches high. All America Silver Medal Winner.	Pkt.	Oz.
			.25	...
501	Little Gem.	Dwarf. Deep amethyst blue, compact plants—free flowering	.10	.35
			.10	.25

502	Mixed.	Dwarf varieties of blue and white.	.10	.25
500A	ABRONIA (Sand Verbena).	A charming trailing plant with verberna-like heads of fragrant flowers of rose with white center	.10	.25
500B	ARCTOTIS (Blue-eyed African Daisy).	(2 to 3 feet high.) Its daisy-like flowers are pearly white with a gold band surrounding a delicate mauve center. Foliage gray green. Good cut-flower	.10	.20

504	ALYSSUM Little Gem.	Small white flowers completely cover the dwarf compact plants which grow only 4 to 5 in. tall. Wonderful for edgings	.10	.15
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507	Violet Queen.	A beautiful fragrant sweet Alyssum of bright violet hue holding its color through the hottest weather. The best violet edging plant we know.	.10	.40
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505	Sweet Alyssum.	Flowers white and honey scented, an early bloomer and continues until frost. 8 to 10 in high.	.10	.15
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503	Perennial Alyssum.	Saxatile Compactum. Grows 9-12 in. tall, compact, deep golden flowers in profusion.	.10	.25
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508	AMARANTHUS (Mixed).	Brilliant foliage plant. Useful for bedding and background. Grows 4 to 5 feet.	.10	.15
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ANTIRRHINUM (Snapdragon). Beautiful spikes of gaily colored flowers. Excellent for beds, borders and cut flowers. Easily grown from seed.

TALL FLOWERING. 24 to 36 inches.

514	Firefly (Scarlet)	511 Golden King (Yellow)	.10	.75
512	Venus (Soft Pink)	513 Rose Queen (Rose Pink)	.10	.75
510	Harmony (Terra Cotta orange, shaded rose)		.10	.75
515A	Silver Pink (Exquisite Light Pink)		.10	.75
515	Tall Mixed	516 Dwarf Mixed	.10	.45

517	UNIVERSITY OF CALIFORNIA RUST PROOF MIXTURE.	Full range of popular shades, 85% rust resistant. Awarded certificate of Honor.	.10	.60
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	AQUILEGIA (Columbine).	Graceful plants, bloom early, preferring partial shade and considerable moisture.		
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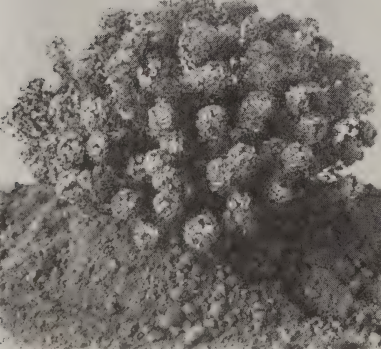
520	MRS. SCOTT ELLIOTT STRAIN.	Single (Longspurred Mixed). Finest Columbine in existence. These perennials delight in part shade	.25	1.50
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Sweet Peas



Antirrhinum (Snapdragon)



Violet Queen Alyssum



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All 10c Pkts. 3 for 25c—7 for 50c

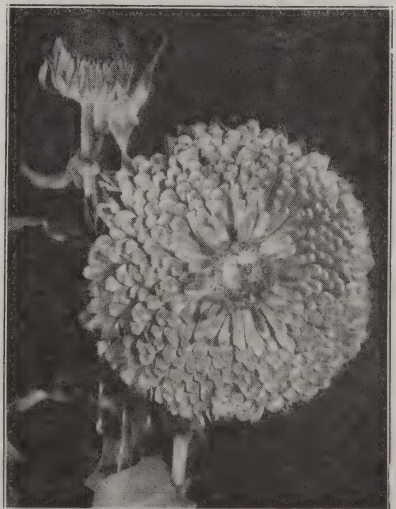
		Pkt.	$\frac{3}{4}$ Oz.
533	ASTER GIANTS OF CALIFORNIA. (Mixed Colors.) Magnificent, giant-flowered Aster with very large, elegant flowers composed of broad, loosely arranged petals gracefully curved and interlaced. The blooms are carried on stems 18 to 24 inches long. A rather late bloomer. Mixed.	.15	.75
527	Aster. Giant Comet. Flowers of immense size, often 6 inches across. Long, wavy, twisted petals, gracefully formed into dense globe, resembling Chrysanthemums. Mixed.	.10	.40
519	Aster. Early Express. Earliest blooming of all the Comet Asters. Flowers large and full. Finest mixed.	.10	.50
	Aster. American branching wilt resistant. Highly resistant to fusarium wilt, for which there is no remedy. Full petaled, extra large flowers of fine form.		
522	Purple	523 Pink	524 Red
525	Mixed		
528A	Aster. New Giant California Sunshine. Fascinating new type rightly called the most beautiful in the world. Flowers are composed of a single row of loosely placed outer petals which contrast the unique yellow quill-like center.	.15	.85
530	Aster. Orego Wilt Resistant. Largest of the Ostrich Plume type. Long curled petals. Very double. Mixed.	.10	.40
534	BACHELOR'S BUTTON. Fine everlasting, bearing clover-shaped flowers, which if cut when ripe and hung heads down to dry will retain their beauty. Mixed.	.10	.15
	DOUBLE BALSAM (Touch-Me-Not). Produces the double flowers clustered in the axils of the leaves on very short stems.		
537	Balsam (Camellia Flowered Mixed)	.10	.20
537A	Balsam. Double Salmon Pink.	.10	.20
538	Balsam Apple	.10	.15
	539 Balsam (Pear)		
541	Bellis (English Daisy). Dainty, perennial plants for rockeries and edging. Produce delightful, double, white and rose flowers. Mixed	.10	.50
544	BRACHYCOME (Swan River Daisy). Dwarf, daisy-like, blue, white, and lavender flowers.	.10	.30
540	CACTUS. Fancy dwarf mixture. Easily grown. Start in boxes and transplant to pots or outdoors after frost danger, using well drained sandy loam.	.25	
545	CALENDULA (Pot Marigold). Calendulas bloom all summer and thrive anywhere. Flowers exhibit every shade of yellow from ivory to deep orange. Well adapted for cutting, being borne upon long stems. Mixed. All the double sorts	.10	.15
543	Calendula Chrysanth. Gold medal winner. A distinct type which is outstanding among all varieties. The large double flowers are an exquisite shade of clear buttercup yellow and the loosely arranged petals give the appearance of a chrysanthemum	.10	.15
545A	Calendula Radio. The flowers are medium size, good depth and clear orange in color. The petals are beautifully quilled which has an extraordinary effect on the appearance of the flower	.10	.15
545B	Calendula Lemon Queen. A charming variety supplying large blossoms of clear lemon yellow. Florists' favorite yellow	.10	.15
545C	Calendula Campfire Sensation. A notable recent introduction of vigorous growth with enormous, double flat brilliant orange flowers, with a crimson or scarlet sheen.	.10	.25
547	Calendula Orange Shaggy. A distinct new type. The petals are long and deeply fringed. Row after row overlap and build up a bloom of the shaggy appearance of some Chrysanthemums. The color is a deep orange shading to a lighter tone. Plants are about eighteen inches high.	.10	.15



Aquilegia (Columbine)—Long Spurred (Page 28)



Candytuft (Page 30)



Calendula (Pot Marigold)



Try to keep insects from getting a start. They are easier to kill when young. Spray flowers and vegetables early with "Black Leaf 40." Kills insects both by contact and by fumes, and is quick acting. No waiting for results with "Black Leaf 40." Concentrated—a little makes a lot of spray. HAS MANY USES. "Black Leaf 40" is versatile. When sprayed on the lower branches of shrubs and evergreens, it keeps dogs away. Kills insects. Controls poultry lice and feather mites.

WITH
Black Leaf 40



Cornflower



Rose Marie Morning Glory



Centaurea (Sweet Sultan)

All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c—7 for 50c

		Pkt.	1/4 Oz.
546	CALLIOPSIS. Showy annual with daisy-like flowers, in striking shades of crimson, orange and gold. Very free flowering. Tall mixed.	.10	.15
548	CANDYTUFT. A dwarf annual of easiest culture; free-blooming, showy, and useful for beds, borders and edgings. Sow seeds where plants are to bloom, in rows of 6 or 8 inches apart, thinning out to afford plenty of room, as they branch quite freely. Height 1 ft. Finest mixed.	.10	.15
548A	Candytuft (Giant Hyacinth Flowered White). This distinct type is a very handsome border plant. Several large bold floral spikes, each resembling a well formed Hyacinth, are grouped upright about a stout stem.	.10	.25
550	CANTERBURY BELL. Handsome, hardy biennial of stately growth, rich color and profuse bloom. Has large bell-shaped flowers, are effective in various colors. Height 2 to 4 feet. Mixed	.10	.25
551	CARDINAL CLIMBER. A new and brilliant colored annual climber. Flowers glowing scarlet. 1 1/2 inches in diameter, the tube being 1 1/4 inches in length. Vines attain a height of from 20 to 30 feet.	.20	..
	CARNATION. Delightfully fragrant flowers. Bloom within 5 months from seed. Hardy in moderate climates. Sow seed in January to March and transplant when large enough to handle.		
552	Marguerite—Giant Mixed. Immense double flowers.	.10	.45
552A	Giant Cardinal Red	.20	..
	CELOSIA (Cockscomb). Easily grown. Very colorful border plants producing velvety heads of fiery scarlet and rich yellow. Blooms from mid-summer until frost.		
555	Tall, Mixed.	.10	.40
554	Dwarf Amaranth. Brilliant red.	.10	.50
557	CENTAUREA MOSCHATA. Sweet Sultan. Produces long stemmed blossoms 2 1/2 inches across and very fragrant. Colors range through white, pink, red, blue, lilac and royal purple, finest mixed	.10	.15
559	CENTAUREA CANDIDISSIMA. Dusty Miller, 16 in., very decorative foliage plants with attractive fern-like frosty white leaves. Highly recommended for edging beds of bright colored flowers	.15	.85
	CHRYSANTHEMUM. Very showy and easily grown, producing single and double flowers of various colors.		
560	Single Mixed. Fine for cutting and makes a pretty display.	.10	.15
561	Double Mixed. Many colors, red, white, yellow, pink and rose	.10	.15
562	COBEA SCANDENS (Cup and Saucer Vine). 15-20 feet. A climber of rapid growth with beautiful bell shape flowers; valuable for covering trellises and arbors. Finest mixed.	.10	.20
563	COLEUS. Plants with richly colored foliage of maroon, green, crimson, yellow, etc. For groups on lawns, and ribboning, they are indispensable, and also valuable for pot culture. Hybrid Rainbow Mixture.	.25	..
	CONVOLVULUS (Morning Glory). Showy flowers in a variety of colors. Sow where plants are to bloom.		
566	Pearly Gates. A 1942 All-American winner, and the best White Morning Glory to date. Similar to Heavenly Blue in size, vigor of growth and abundant bloom, but the color is satiny white with cream throat.	.10	.40
564	Heavenly Blue. A deep, intense sky blue, shading lighter toward the center. Flowers are large and freely produced.	.10	.20
565	Scarlet O'Hara. An entirely new color in Morning Glory, being a rich wine red. Flowers not as large as Heavenly Blue but of good size. Borne in profusion until frost.	.10	.35
567.	Double Rose Marie. A new and unusually lovely Morning Glory. It is easily grown and produces exquisite double rose-pink blossoms in profusion. Combine with Heavenly Blue for a color combination unexcelled.	.10	.20
568	Giant Mixed	.10	.15
569	Japanese Mixed. Colors run from snow-white through all tones of blue, red and purple with unusual star-like markings which radiate from the throat.	.10	.15
	CORNFLOWER or BACHELOR BUTTON. A graceful, old-fashioned plant, which blooms freely throughout the entire summer and usually reseeds itself. They will grow in most any soil, and are in great demand as cut flowers.		
572	Double Blue 573 Double Mixed 573A Double Pink	.10	.15
	COREOPSIS. Hardy, easily grown perennial, 2 ft. high. Producing large bright yellow flowers in great profusion		
574	Semi Double	.10	.15
570	Coreopsis Grandiflora Double Sunburst. Retains the beauty of coloring of the single flower while augmenting its effect of brilliance through the doubling of petals.	.10	.30



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All 10c Pkts. 3 for 25c—7 for 50c

Pkt. $\frac{1}{2}$ Oz.

- 579 **CORN (Ornamental Rainbow).** Small ears with multicolored grains in rich, decorative hues. A group or string is a novel ornament for the sun porch and is especially attractive combined with ornamental gourds10 .15

COSMOS (Giant). Flowers measure from 2½ to 4 inches across, petals fringed, pinked, toothed and plain, and in colors from pure white through shades of pink, red and orange.

- 575 **Giant White (Early)**10 .15
576 **Giant Crimson (Early)**10 .15
577 **Giant Pink (Early)**10 .15
578 **Giant Sensation (Pink).** New early strain. Flowers 4 to 5 in. in diameter with broad, fluted petals that slightly overlap.10 .20
578A **Orange Flare.** A gold medal winner. A rich glowing cut-and-come-again cosmos that blooms from midsummer till frost. The strong plants, 4 feet high, are covered with brilliant blooms and present a gorgeous sight. It is an early flowering strain of Klondyke.10 .20
580 **Giant Early. Mixed**10 .15

DOUBLE CRESTED. The plants are similar to other cosmos, but the blooms are distinct in having double crowns, giving them a very dainty and exquisite appearance. Aside from their beauty, the blooms are lasting both on the plant and as cut flowers.

- 581 **Pink Beauty** 581A **Crimson King**15 .75
581B **White Queen**15 .75
581C **Choice Mixed**15 .60

- 586 **CYPRESS VINE.** 15 feet; rapid growing climber; star-like red and white flowers and feathery foliage. Mixed10 .15
586A **Red**10 .15

- 587 **CLARKIA.** Quite hardy and constant bloomer in brilliant shades of rose, red, pink and purple. Excellent cut flower. Choice Mixed10 .35

- 582 **CUPHEA FIREFLY.** A colorful dwarf edging plant which, in full bloom resembles a little Christmas bush. The flowers are small and delicately formed, butterfly like in appearance, fiery cerise red in color. Excellent for rockeries and window boxes15 .60

- 590 **CROTALARIA.** Very effective cut-flower plant, resembling Lupines. 2 ft. tall, wide branching plant with long spikes of lemon-yellow, pea-shaped blossoms.10 .15

DAHLIA. A favorite for autumn flowering, blooming the first season from seed if started early. The flowers are unusually decorative and the range of colors wide and varied.

- 588 **Finest Single Mixed.** Will produce brilliant flowers running through a wide range of striking colors.10 .45
589 **Finest Double Mixed.** Choicest double flowers, including shades of red, pink, dark maroon, yellow, white, etc.15 .75

- 593 **SHASTA DAISY (Alaska).** A splendid hardy perennial with flowers of glistening white frequently 3 inches across.10 .35

- 594 **Shasta Daisy (Conqueror).** Pure white, double flowers as large as Shasta Daisy Alaska, borne on stems 2½-3 ft. in length10 .35

- 599 **DIDISCUS (Blue Lace Flower).** Grows 2 ft. high, long stems, produces silver-blue-lacy-flowers. Constant bloomer10 .25

DELPHINIUM (Hardy Perennial Larkspur). Delphiniums are among the most beautiful and widely used perennials for garden display and cutting. The regal stateliness of their colorful spikes is unequalled by any other flower.

- 601 **Wrexham's Double Hollyhock Strain**25 1.50
600 **Single Mixed, tall**10 .25

- 605 **DIANTHUS (Clove Pinks).** Very fragrant and dainty. Ideal for borders, beds and rockeries. Single and double mixed.10 .45

- 602 **Heddewegi (Dwarf Pinks).** Large double flowers with brilliant colorings. They bloom from June until frost.10 .15
603 **Chinese—Double Mixed. 604 Chinese—Single Mixed.**10 .15

ESCHSCHOLTZIA (California Poppy). A hardy free-flowering annual, growing about 15 inches high and producing quantities of single, poppy-shaped blooms in shades of yellow, orange and red. Flowers over a long period.

- 606 **Brilliant Mixed**10 .15
606B **The Geisha.** Brilliant gold and crimson. Fluted10 .20

- 610 **FORGET-ME-NOT.** A pretty little old-fashioned perennial, producing its flowers in early summer. Quite hardy once it is established; flowers blue15 .85

- 610A **CYNOGLOSSUM.** Amabile (Chinese Forget-Me-Not) Blue annual flowers10 .15

- 611 **EUPHORBIA.** Snow on the Mountain. 2-3 ft., remarkable distinct decorative plant. Leaves light green edged with white. Bushy plants, suitable for cutting to mix with flowers, but in greatest demand as a showy, border plant.10 .15

- 612 **FOUR O'CLOCK (Marvel of Peru).** Old garden favorite. The bushy plants are covered with hundreds of single, round flowers in many colors. Fine for planting along fences.10 .15



Early Orange Flare



Double Crested Cosmos



Shasta Daisy

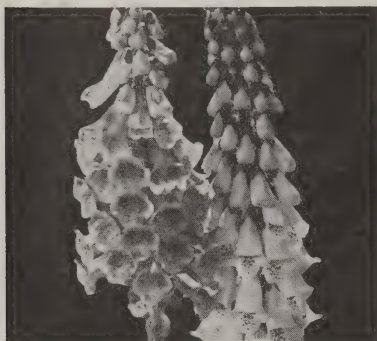


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All 10c Pkts. 3 for 25c—7 for 50c

Pkt. Oz.

- 613 **FOXGLOVE** (*Digitalis*). Dense spikes of brilliant white, yellow, pink and lavender flowers. Their long spikes are crowded with large thimble-shaped blossoms beautifully spotted on the exposed interior surfaces. Plant among shrubs or in beds. Mixed.10 .25
- 615 **GALLARDIA** (*Blanket Flower*). Gorgeously colored, long-stemmed, daisy-like flowers from June to October. Fine for cutting. Easily grown; will flower the first year if seed is sown early. Mixed.10 .20
- 615A **THE DAZZLER**. Intense maroon red and golden yellow. This is a reselected strain of giant perennial Gaillardia. Very largest dark, rich red with bright orange petal tips, extra long strong stems and very attractive for cut flowers.10 .40
- 616 **GERBERA** (*Transvaal Daisy*). 24 in. The most perfectly formed daisy-like blossoms, 2 to 4 inches across, being borne on long stems, are unsurpassed as cut flowers. They are easily grown from seed and will commence flowering the first year. The colors include a wilderness of tints, from dove white through amber, pale yellow, orange, salmon, rose, cerise and ruby-red to violet. Pkt., 25 seeds.25 .
- 618 **GERANIUM**. Grows 1 to 2 ft. high. These grow readily from seed and produce blooming plants the first summer. Choice mixed.25 .
- 617 **GODETIA**. Sow in the open ground in the early spring. The azalea-like flowers are borne in profusion, and their delicate tints of crimson, rose-pink and white make them very attractive in the garden and for cut flowers. Dwarf varieties mixed.10 .35
- 619 **GILIA** (*Blue Thimble Flower*). Beautiful bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender blue flowers. Choice mixed.10 .15
- 620 **GOMPHRENA** (*Globe Amaranth*). A desirable everlasting, valued for its handsome globular heads of flowers which can be dried and used in winter bouquets. Choice mixed.10 .15
- 621 **Gomphrena**. Dark red.10 .20
- 628 **GOURDS**. A tribe of climbers with curiously shaped and colored fruit. Being of rapid growth they are fine to cover old fences, trellises, stumps, etc. Mixed.10 .15
- GYPSOPHILA** (*Baby's Breath*). Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases.
- 630 **London Market, Annual White**.10 .15
- 630A **Paniculata, Perennial White, Single**.10 .15
- 631 **Elegans Mixed, Annual**.10 .15
- 631A **Elegans Rosea, Annual Soft Pink**.10 .15
- HELIANTHUS** (*Sunflower*)—3 to 6 feet. Double golden yellow. Of easiest culture. Suitable for backgrounds, screens and to plant among shrubbery. In bloom from June until frost. 632 Dwarf Mixed. 633 Tall Mixed.10 .15
- 634 **Stella** (*Miniature Sunflower*). Plants grow 3 feet high with many spreading branches. Their large single golden-yellow flowers with black centers are excellent for cutting.10 .15
- HELICHRYSUM** (*Straw Flower*). Bright, attractive annual, of free growth, producing in abundance large double flowers. Dry for winter bouquets.
- 635 **Mixed** 635A **Canary Yellow** 635B **Violet Queen**.10 .25
- 635C **Fireball, Bright Scarlet** 635D **Rose Queen**.10 .25
- 636 **HELIOTROPE**. Very fragrant. Flowers equally as bedding or house plants. Profuse bloomer of lilac-like flowers. Mixed.15 .
- HOLLYHOCK**. Grand summer and autumn flowering plants, bearing long spikes of flowers, 3 to 4 inches across. They are old garden inhabitants, but are now so improved in doubleness and size, as to be a revelation of gorgeous beauty.
- 637 **Single Mixed**. 10 .15 638 **Double Mixed**.10 .50
- 639 **Double, Yellow** 640 **Double, Red** 641 **Double, White**.10 .75
- 642 **Newport, Pink, Double**.10 .75
- 643 **Buchanan's Collection of Double Hollyhocks**. One packet each of four separate colors.30 .
- 629 **Indian Spring**. (*Annual*) All America Selection. Profuse bloomer producing colorful display of semi-double, crinkly edged flowers of light pink to crimson rose shades.10 .40
- HYACINTH BEAN** (*Jack Bean*). Annual climbers, of rapid growth, 10 feet high, with wistaria-like clusters of flowers, followed by bronzy-purple seed pods.
- 645 **Purple**. 646 **Mixed**.10 .15
- 652 **KUDZU VINE** (*Jack-and-the-Bean-Stalk*). Flourishes where nothing else will grow. The brightest green foliage affords a dense shade. A pretty climber with rosy purple wistaria-like flower clusters.10 .15



Foxglove (*Digitalis*)



Ornamental Gourds



Gerbera (*Transvaal Daisy*)



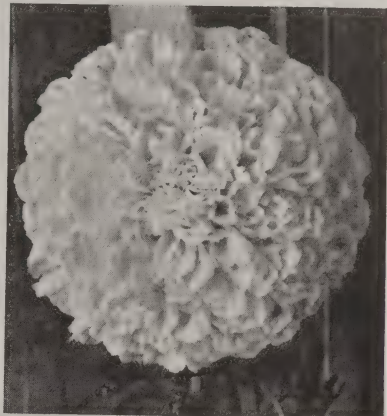
Gaillardia



All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c—7 for 50c
Pkt. Oz.

- 653 **KOCHIA**—Mexican Fire Plant. Makes a pyramidal-shaped, cypress-like bush with feathery light-green foliage, deepening until it becomes a lovely crimson hue about September. .10 .15
- 654 **LANTANA**. Constant bloomer with verberna-like flowers in red, pink, yellow and white. Ideal for bedding or planting among shrubs. Insect resistant. Hybrid mixed. .15 .35
- LARKSPUR** (Annual Delphinium). Double Stock Flowered Popular garden annuals. This splendid class grows 3 to 4 feet high and bears flowers on long stems, rendering them of exceptional value for cutting purposes. They are of easy culture, thriving in almost any soil—but a sunny situation suits best.
- 655A **Double Dark Blue** 657 **Double Light Blue** .10 .20
- 658 **Lustrous Carmine** (deep carmine rose) .10 .20
- 659 **Emperor Mixed**. Produces an abundance of long, slender spikes in the most delicate colors. Compact plants 2 to 3 ft. .10 .20
- LARKSPUR GIANT IMPERIAL**. Tall, upright, compact in habit, the Giant Imperials have superseded all other types of Larkspurs. Stems are 4 to 5 feet long and the plants require only one-half space needed for the old stock flowered type.
- 656—**Exquisite Pink** .10 .30
- 647 **White Spire** 649 **Dark Blue Spire** .10 .30
- 648 **Coral King** .10 .30
- 650 **Mixed** .10 .25
- 661 **LATHRYUS LATIFOLIUS** (Perennial Sweet Pea). A decorative climbing sweet pea. Choice mixed. .10 .20
- 663 **LINUM** (Crimson Flax). One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose. Very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings. .10 .15
- 663A **LINUM**. Perennial blue. .10 .15
- 664 **LOBELIA**. Lobelias require rich soil and plenty of water. The annual varieties, 4 to 6 inches, are extensively used for edging baskets and urns. Mixed shades of blue. .10 .60
- 664A **LUPIN**. Long, graceful spikes of pea-shaped flowers. Fine for bedding and cutting. Easily grown and prefers shady, moist location. Giant Mixed. .10 .15
- 738 **Texas Bluebonnet**. Native Southern blue, annual lupine. Reseeds itself. Beautiful for bedding and cutting. .10 .15
- 662 **Russell's Lupines**. The finest strain of perennial Lupines in the world. The immense, long spikes come in shades of blues, pinks, reds, yellows, purples, etc. In such exquisite shades as never before seen in lupines. Free blooming—ideal for cutting. .15 .60
- MARIGOLD**. The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting and varied.
- 669 **New Giant Goldsmith**. The flowers are a rich golden orange. 4 to 5 inches in diameter with petals that curl and twist to form a perfect ball-shaped, incurved flower. It is of medium height with giant chrysanthemum blooms borne on long stems on a plant that branches from the base and flowers very early. Very vigorous. .15 .75
- 670B **Spry**. All America Silver Medal Winner 1941. The most profuse blooming of all Marigolds. Plants are true Lilliput form, extremely dwarf and compact, being about 9 inches high and spreading 15 inches. Flowers 1½ inches across, have a bright clear yellow crested center surrounded by several rows of mahogany-red guard petals. .10 .35
- 671 **Gigantea Sunset Giant**. Early. 4 ft. The flowers are showy, fragrant and the largest ever known in the Marigold group, averaging 5 to 7½ inches and are produced in great profusion. Sunset Giants is a mixture ranging from deep orange through golden yellow, lemon yellow and primrose. .10 .35
- 671A **Double Harmony**. Excellent, dwarf, compact plants. Flowers golden yellow, bordered maroon red. Scabious shaped. .10 .20
- 670 **Early Dixie Sunshine**. Flowers 2 to 2½ inches across, are fully double and ball shaped and daintily fringed in effect and are a brilliant lemon yellow. Profuse bloomer. .10 .50
- 670A **Crown of Gold**. 1937 Gold Medal Winner. Lovely, golden orange flowers with full crested center surrounded by single row of broad guard petals. Odorless. .10 .25
- 667A **Legion of Honor** (Little Brownie). Very popular single variety of compact growth, about 9 inches high. Produces masses of golden yellow flowers with velvet brown centers. .10 .15
- 667B **Robert Beist**. Dwarf, double, French Strain. Deep rich, mahogany red. Blooms profusely. .10 .15
- 665 **African Tall Double**. Large, perfect, doubled, quilled flowers of rich orange and yellow shades. Mixed. .10 .20
- 668 **French Dwarf Double Mixed**. .10 .20



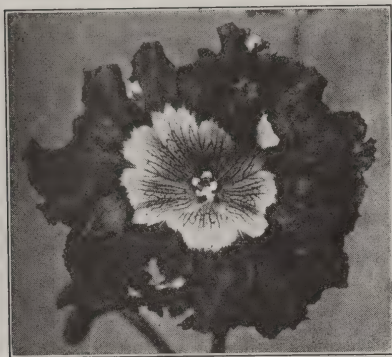
Gigantea Sunset Giant (Marigold)



Larkspur



Spry Marigold



Buck Brand Fringed Petunia (page 35)

All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c—7 for 50c

MARIGOLD CONTINUED

- | | Pkt. | 1/4 Oz. |
|---|------|---------|
| 668A Guinea Gold. Produces a neat, compact plant; about 2 1/2 feet high, literally covered with blossoms. The flowers, about 2 1/2 inches across, are semi-double in character, and loosely ruffled. The color is a brilliant golden orange..... | .10 | .20 |
| 668B Yellow Supreme. Gold Medal Winner. Primrose yellow, carnation flowered, all double, odorless flowers, 2 1/2 inches across | .10 | .25 |
| 669 MATRICARIA (Summer Chrysanthemum). Small double white quilled flowers, well adapted for bedding and cutting | .10 | .20 |
- MOON FLOWERS.** Rapid growing annual climber, related to the family of Morning Glories; have dense foliage and large, beautiful blooms. Soak seed before planting.
- | | | |
|--|-----|-----|
| 672 White Hybrid. At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers | .10 | .15 |
| 673 Bona Nox. Throats deep purple shading to lavender..... | .10 | .15 |
| 673A White Hybrid. The flowers measure from 3 1/4 in. across, sky-blue with white throat..... | .10 | .25 |

MORNING GLORY (see Convolvulus page 30).

NICOTIANA (Sweet Scented Tobacco Plant). 2 ft. petunia-like flowers, the petals form a beautiful five-pointed star. Very fragrant annual. Continuous bloomer.

- | | | |
|--|-----|-----|
| 674 Affinis (Tuberose-flowered Tobacco). Free flowering with deliciously scented tubular white flowers..... | .10 | .15 |
| 674A Sanderae Hybrids. Large flowering hybrids. Very showy, in a great variety of colors..... | .10 | .15 |

BUCHANAN'S NASTURTIUMS

Sow the seed where it is to remain after danger of frost is over. Easily grown.

- | | Pkt. | Oz. | 1/4 Lb. |
|--|------|-----|---------|
| 675A Dwarf Double Gem Mixture. A compact growing strain of the semi-double, sweet-scented Gleam Nasturtiums, ideal for border and edging. The plants are truly dwarf and compact and the color range excellent..... | .10 | .20 | .40 |
| 676A Nasturtium—Golden Gleam. Large, golden-yellow semi-double flowers, very fragrant..... | .10 | .15 | .35 |
| 676B Double Gleam Hybrids. Beautiful new colors, ranging from pale primrose (almost white) through yellow, orange, salmon and gold, salmon-pink, rose, rare art shades, cerise, scarlet, crimson, blood-red, deep maroon and mahogany. There are flowers of solid colors, uniform throughout, and others with showy markings of contrasting colors. The flowers are quite dazzling in their scintillating brilliance. All are sweetly perfumed and measure 3 inches across..... | .10 | .15 | .35 |
| 676C Scarlet Gleam. Sweet scented and very double. A fiery orange scarlet and profusely free blooming. Even more showy than the vivid yellow of Golden Gleam..... | .10 | .15 | .35 |
| 675 Dwarf Mixed. Gorgeous and brilliant flowers. All shades and colors of dwarf growing single varieties... .. | .05 | .10 | .30 |
| 676 Tall or Climbing (Mixed). Of quick growth. The brilliant blossoms almost cover the plant from top to bottom. Ideal window box plant..... | .05 | .10 | .30 |
- Pkt. Oz. 1/4 Lb.
- | | | | |
|---|-----|-----|--|
| 677 NIGELLA (Love-in-the-Mist). Lovely, old fashioned annual with attractive double flowers, nestled among fine, feathery foliage. Splendid for cutting and bedding. Blooms profusely. Blue and white mixed..... | .10 | .20 | |
| 678 Miss Jekyll. A lovely variety, bearing on long stems, large semi-double flowers of a lovely bright blue..... | .10 | .20 | |

- | | | | |
|---|-----|-----|--|
| 679 OENOTHERA (Evening Scented Primrose). Large, single, poppy-shape flowers which open at dusk. Fine for borders and bedding. Of easiest culture in a sunny location. Mixed | .10 | .15 | |
| 680 PANSIES. Giant Trimardeau Mixed. Our stock of this variety produces as large pansies as can be grown. Flowers of richest, most varied shades, generally marked with three large blotches are borne on strong, stiff stems long enough for cutting. Desirable for beds and edgings..... | .25 | | |
| 680A Pansies. Swiss Roggli's Giants. The marvelous Swiss Pansies cannot be praised too highly. The plants are of exceptionally strong and robust growth, while the flowers are unusually large, perfectly round, with overlapping petals of heavy substance. They are borne freely on long, sturdy stems well above the rich green foliage. Very effective in beds and borders, and most desirable for cutting Finest mixed..... | .35 | | |
| 681 Pansies, Mixed. Very large flowers of exceptionally fine form and substance, usually ruffled and beautifully veined and blotched | .20 | | |



Double Gleam Hybrid Nasturtium



Pansies



BUCHANAN'S PETUNIAS

Sow the small seeds in a warm, sunny, open place outdoors, thinning to 15 inches apart, or in frames for transplanting. Scatter seeds thinly, barely cover and firm soil; water seedlings with a fine spray to prevent drying out.

All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c—7 for 50c

Pkt. Oz.

- 694 **Giant Double Ruffled and Fringed.** Magnificent color range which can be confidently expected to produce 95 per cent double flowers. Pkt. 100 seeds.35 ..
- 686 **Giants of California.** A large-flowering strain with fringed and ruffled flowers of rich, velvety colors and deep yellow throats. This mixture is the first picking from the choicest plants. Pkt. 300 seeds.25 ..
- 684 **Dwarf Giants of California. RAMONA STRAIN;** magnificent large ruffled flowers borne profusely. This strain is outstanding not only for its compact habit, but also for its marvelous color range. Pkt. 200 seed.25 ..
- 686A **Theodosia.** Single, largest fringed rose, gold throat. Pkt. 300 seeds.25 ..
- 685 **Buck Brand Fringed Mixed.** Flowers are very large and ruffled with open shallow throats. The colors are mostly the desirable red and dark shades richly marked and veined. This is one of the fanciest types of petunias. Pkt. 300 seeds.25 ..
- 695 **Dainty Lady.** New Yellow Petunia. Granted awards of merit in both Europe and America. The flowers are of medium size and daintily fringed, delicate light yellow deepening to golden yellow at the throat.25 ..
- 696 **Hollywood Star.** Silver Medal Winner. This lovely new Petunia is a charming shade of rich rose with an amber throat. Its unique form is that of a five pointed star. Very free blooming, early and a vigorous grower.10 .30
- 682 **Flaming Velvet.** A sensation because of the uniform excellence of its velvety, rich, blood-red flower. Plants are semi-compact, about 15 inches in height and uniform.15 .75
- 693B **Elks Pride.** Largest, darkest and best velvety purple.20 ..



Petunia

- BALCONY VARIETIES.** Single large flowering sorts. The trailing branches perfect them for porch boxes.
- 689 **Rose 690 Scarlet 691 Purple**15 .90
- 692 **Balcony Mixed**15 .75



Hollywood Star Petunia

- DWARF BORDER PETUNIAS.** Excellent for edging and bedding. Compact, free flowering.
- 683 **Alderman.** Dark violet-blue with darker throat of velvety appearance. The best dwarf, bedding purple.10 .35
- 687 **Striped and Blotched.** Includes striped or blotched flowers in a wide range of brilliant colors. A fine bedder.10 .35
- 693 **Rosy Morn.** Compact in habit of plant and producing profusely clear rosy pink flowers with white throat. Excellent for borders, beds and boxes.10 .50
- 693D **Rose of Heaven.** Rich brilliant rose.10 .40
- 697 **Celestial.** Rich satiny rose. Blooms profusely and is more compact throughout the season than Rosy Morn.10 .50
- 693A **Silver Blue.** Dwarf; Rosy Morn type. Very silvery, beautiful new light blue.15 .75
- 693C **Snow Queen.** Pure satiny white; the compact bushes are completely covered with snow white flowers.10 .35
- 688 **Dwarf Mixed.** Plants compact growing. A choice mixture of many shades and colors. Very desirable for small beds.10 .30

PHLOX DRUMMONDI GIGANTEA. The Phloxes are the showiest and most easily grown of all Annuals. This new strain produces flowers 1 1/4 to 1 1/2 inches across. The Art Shade has a most wonderful range of color in soft pastels.

- 700 **ART SHADES**15 .50
- 701 **RED GLORY.** The brightest color ever offered in Phlox. The color is a brilliant red which is intensified by the large, creamy white eye.25 ..
- 702 **SALMON GLORY.** There is no lovelier Phlox—The color is a pleasing salmon pink with a distinct creamy-white eye.15 .50

POPPIES. Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems.

DOUBLE ANNUAL FLOWERING POPPIES

Pkt. 1/4 Oz.

- 706A **Eldorado.** Double Shirley, new fine range of colors.10 .15
- 706B **Deep Pink—Shirley.** Double satiny flowers of deep pink, the most popular of the new poppies.10 .20

SINGLE PERENNIAL HYBRID POPPIES

- 707 **Iceland Sunbeam Hybrids.** The broad overlapping fluted petals give the effect of semi-doubleness. Brilliant array of colors.10 .50

SINGLE ANNUAL FLOWERING POPPIES

- 708 **Tulip.** Large Tulip shaped flowers of dazzling scarlet.10 .15
- 709 **ORIENTAL HYBRID MIXED.** A gorgeous array of vivid coloring. Flowers often 6 inches across.25 ..
- 706 **Shirley Mixed.** Beautiful colors of rose, apricot, salmon pink.10 .15
- 712 **American Legion.** A dazzling orange scarlet of enormous size borne on long stout stems.10 .15



Double Poppy



Pyrethrum Roseum (Painted Daisy)



Salvia



Verbena

All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c—7 for 50c

- | | | Pkt. | Oz. | | |
|------|---|----------------------------|-------------------|-----------|---------|
| 713 | PHYSOSTEGIA —False Dragon Head. One of the prettiest hardy perennials producing tall, decorative spikes of a delicate shade of orchid. Blooms freely all summer..... | .15 | | | |
| | PORTULACA (Rose Moss). Luxurious, free-flowering all summer with brilliant colors of orange, rose, scarlet, white and yellow for beds, borders and rockwork. Forms masses of very dwarf plants. Prefers hot, dry location. | | | | |
| 715 | Single, Mixed..... | .15c—75c | | | |
| 716 | Double, Mixed..... | .15 | 1.25 | | |
| 718 | RICINUS (Castor Oil Beans). Garden annual of luxuriant growth with large palm-like leaves; very attractive on account of their semi-tropical effect. The colors of the foliage are very rich, ranging from green to deep bronze. Mixed.. | .05 | .15 | | |
| 717 | PYRETHRUM ROSEUM (Painted Daisy). Lacy, fern like foliage, 2 ft. plant with 1-2 ft. spread. Wiry stems with slender petalled daisies 3 in. across, produced in shades of white and pink to deep rose and crimson. Finest mixed..... | .20 | | | |
| 720 | SALPIGLOSSIS (Painted Tongue). This free flowering annual is rich in deep color tones rare in the floral world. Each funnel shaped flower of crimson, yellow, purple, pink, etc., are exquisitely veined with gold. Grows 2 to 4 ft. high..... | .10 | .25 | | |
| | SALVIA OR SCARLET SAGE . The brilliant annual scarlet salvias so highly valued in beds and borders are equalled in beauty by the perennial tall, lavender-blue Farinacea. Universally popular and delight in warm, sunny locations. | | | | |
| 721 | Splendens . The old favorite bedding variety, producing during the summer and fall dazzling scarlet flowers in profusion | .15 | 1.00 | | |
| 722 | Bonfire . A new dwarf scarlet sage of dense, compact growth. | .20 | 1.50 | | |
| 723 | Farinacea . Lavender blue flowers. Perennial (3½ ft.).... | .15 | .90 | | |
| 725 | SCARLET RUNNER VINE . Rapidly growing annual reaches a height of 15 feet, produces showy scarlet sweet pea-shaped blossoms | .05 | .10 | | |
| 726 | SCABIOSA (Mourning Bride). A very beautiful plant and a great favorite with gardeners, splendidly adapted for beds, borders and cutting. The flowers are full, fluffy and exquisitely colored and borne on long graceful stems. Mixed... | .10 | .20 | | |
| 726A | Ageratum Blue | 726B Black Prince (Purple) | .10 .20 | | |
| 726C | Fiery Scarlet | 726D Rose | 726E Yellow | .10 .20 | |
| 727 | Imperial Giant Blue Moon . Deep, lavender blue. New type. Flowers very large and deep. Stems 27 in. Flowers all petals, no Pin-cushion type..... | .10 | .40 | | |
| 728 | SCHIZANTHUS (Butterfly Flower). The branching plants are covered with dainty, exquisite, orchid-like flowers borne in plumes on loose spikes over lacy foliage. Wide color range with fancy throat markings. Prefers cool, moist location... | .10 | .50 | | |
| | STOCKS (Gilliflower). Heavy spikes of fine, double fragrant flowers like small rosettes for borders, bedding and cutting. For brilliancy and diversity of color, profusion and for long blooming they are unsurpassed. | | | | |
| 731 | Dwarf Ten Weeks —Mixed. Blooms earlier than other types. | .10 | .35 | | |
| 732 | Giant Perfection (Cut-and-Come-Again)—Mixed. Produce enormous plants with long, full flower stalks..... | .10 | .60 | | |
| | SWEET WILLIAM . Handsomely colored and marked flowers borne on stiff stems and form round heads or clusters 3 to 4 inches across. Grows 18 in. high. | | | | |
| 724 | White | 724A Crimson | 730 Newport Pink | .10 .50 | |
| 736 | Single, Mixed | 10c—15c | 737 Double, Mixed | .10 .30 | |
| 739 | THUNBERGIA (Black-eyed Susan). Rapid-growing annual climbers, preferring sunny situation; used extensively for hanging baskets, vases, low fences, etc..... | .10 | .35 | | |
| | TITHONIA . Brilliant orange-scarlet, single, dahlia-like flowers, 3 to 4 in. across. Excellent for cutting and tall backgrounds. Blooms in the fall. | | | | |
| 733 | Mexican Sunflower . Orange vermillion..... | .10 | .45 | | |
| 735 | Grandiflora Fireball . Tithonia Fireball produces dazzling scarlet orange blossoms with clear yellow centers. Very brilliant and showy..... | .15 | .85 | | |
| 734 | TORENIA . Rich green bushy plants 1 ft. high. Trumpet flowers, richest blue with contrasting yellow lip and throat. | | Sold Out | | |
| 740 | TRITOMA (Red Hot Poker, Torch Lily). Tall spikes of brilliant orange-red flowers, makes splendid cut flowers.... | .10 | .40 | | |
| | VERBENA . Mammoth Flowering. | | | | |
| 741 | Purple | 742 Scarlet | 743 White | .10 .40 | |
| 744 | Pink | 745 Yellow | 746 Mixed | .10 .40 | |
| 747 | Beauty of Oxford Hybrids . Brilliant rose pink shading to rose red. The most brilliant color in verbenas..... | .15 | .75 | | |
| 749 | VENIDIUM . Large brilliant orange flowers, 3 in. across with black-purple zone at base of ray petals and a dark center.. | .15 | 1.00 | | |
| | VINCA (Periwinkle). Ornamental free blooming plants, with dark laurel-like foliage and handsome pink and white flowers. | | | | |
| 750 | White | 752 White with Eye | 751 Pink | 753 Mixed | .10 .35 |
| 729 | VIOLA (Tufted Pansy). A beautiful, colorful pansy-like bedding plant. Blooms profusely all summer..... | .15 | .75 | | |



Buchanan's Quantity Price List January 10th, 1943

All prices quoted in this list are present values and subject to change without notice. We do not, however, expect many changes, and our customers may rely upon receiving the very lowest prices current at the time their orders are received.

TERMS—As the prices are NET CASH, a remittance must accompany all orders. These prices are F. O. B. Memphis, sacks included. Freight or express charges must be paid by the purchaser. Read page 2 regarding Parcel Post Rates—it is easy to figure parcel post with our map.

PARCEL POST—When any items ordered from these prices are to be sent by parcel post, sufficient money must be added to the following prices to pay postage. If more money is sent than the amount of postage, we will return same. Parcel post is easy to figure. Use this map. It will save you money.

NON-WARRANTY—R. B. Buchanan Seed Company, Inc., give no warranty, express or implied, as to description, quality, productiveness or any other matter, of any seeds, bulbs, plants, fertilizers, insecticides, etc., they send out and will not in any way be responsible for the crop. Purity and germination, when given, are the results of tests, but are without warranty. If the purchaser does not accept the goods on these terms, they are to be returned at once and the amount paid for them will be refunded.

BEANS, BUSH—Green Pod—Bu. 60 lbs. (Page 6)

	Gal.	Pk.	Bu.
	7½ lbs.	15 lbs.	60 lbs.
41 Black Valentine (Stringless).....	\$1.45	\$2.65	\$ 9.90
40 Burpee's Stringless.....	1.45	2.65	9.90
45 Full Measure.....	1.50	2.85	10.20
44 Giant Stringless.....	1.50	2.85	10.20
37 Red Valentine (Improved).....	1.40	2.60	9.60
38 Tennessee Green Pod.....	1.45	2.65	9.90
42 Tendergreen Stringless.....	1.75	2.95	11.10
39 U. S. Refugee No. 5.....	1.50	2.85	10.90

BEANS, BUSH—Wax Pod—Bu. 60 lbs. (Page 6)

	Gal.	Pk.	Bu.
	7½ lbs.	15 lbs.	60 lbs.
58 Golden Wax (Improved).....	\$1.40	\$2.60	\$ 9.60
59 Sure Crop Wax (Stringless).....	1.40	2.60	9.60

BEANS, POLE OR RUNNING—(Page 7)

	Gal.	Pk.	Bu.
	7½ lbs.	15 lbs.	60 lbs.
67 Kentucky Wonder.....	\$1.45	\$2.75	\$ 9.90
65 McCaslin.....	1.50	2.85	10.20
66 Striped, Scotia or Cornfield.....	1.45	2.65	9.90
68 White Creaseback.....	1.45	2.65	9.90
71 White Kentucky Wonder.....	1.50	2.85	10.20
72 Ideal Market.....	1.45	2.65	9.90
64 Kentucky Wonder Wax.....	1.50	2.85	10.20
69 Decatur.....	1.90	3.60	13.75

BEANS, BUSH LIMA—Bu. 60 lbs. (Page 8)

	Gal.	Pk.	Bu.
	7½ lbs.	15 lbs.	60 lbs.
48 Fordhook Bush.....	\$1.85	\$3.45	\$13.20
49 Henderson's Bush.....	1.50	2.85	10.20
46 Jackson Wonder-Bush Calico.....	1.55	2.85	10.20
50 Baby Potato Bush Lima.....	1.65	2.90	10.80

BEANS, POLE LIMA—Bu. 60 lbs. (Page 8)

	Gal.	Pk.	Bu.
	7½ lbs.	15 lbs.	60 lbs.
78 Carolina or Sieva.....	\$1.50	\$2.85	\$10.20
79 Calico Lima.....	1.55	2.85	10.20
80 Monstrous Lima.....	1.80	3.25	11.10
77 Large Speckled or Christmas.....	1.80	3.25	11.10

BEANS, FIELD OR SHELL—(Page 7)

	Gal.	Pk.	Bu.
	7½ lbs.	15 lbs.	60 lbs.
62 Great Northern.....	\$1.20	\$2.00	\$ 7.50
61 Pinto.....	1.20	2.00	7.50
63 Red Kidney.....	1.30	2.15	8.10
61 White Navy.....	1.20	2.00	7.50

TABLE BEETS—(Page 9)

	½ lb.	¼ lb.	1 lb.	5 lbs.
24 Crosby's Egyptian.....	\$0.40	\$0.75	\$1.40	\$6.75
19 Crimson Globe.....	.40	.75	1.40	6.75
23 Detroit Dark Red.....	.50	.90	1.65	8.00
21 Early Blood Turnip.....	.40	.75	1.40	6.75
18 Early Wonder.....	.40	.75	1.40	6.75
17 Market Gardener.....	.40	.75	1.40	6.75
26 Swiss Chard.....	.40	.65	1.15	5.50

SUGAR BEETS OR MANGELS—(Page 9)

	½ lb.	1 lb.	5 lbs.	10 lbs.
28 Giant Half Sugar Mangel.....	\$0.60	\$1.10	\$5.00	\$9.00
30 Mammoth Long Red.....	.60	1.10	5.00	9.00

BRUSSELS SPROUTS, BROCCOLI—(Page 10)

CAULIFLOWER—(Page 9)

	Oz.	¼ lb.	½ lb.	1 lb.
9 Broccoli (Green sprouting).....	\$0.30	\$0.85	\$1.50	\$2.75
8 Brussels Sprouts.....	.40	1.30	2.35	4.45
109 Cauliflower, Early Snowball.....	2.40	9.00		

CABBAGE—(Page 11)

	½ lb.	¼ lb.	1 lb.	5 lbs.
85 All Seasons (Wisc. strain).....	\$1.10	\$1.90	\$3.65	
87 Chas. Wakefield.....	.55	1.00	1.85	\$8.75
83 Chinese Cabbage-Chihili.....	.60	1.05	2.10	9.75
94 Copenhagen Market.....	.80	1.65	3.15	15.25
99 Drumhead (Early).....	.60	1.05	2.10	10.05
92 Drumhead, Large (Late).....	.60	1.05	2.10	10.05
100 Drumhead Savoy.....	.80	1.40	2.70	13.00
101 Flat Dutch (Early).....	.60	1.05	2.10	10.00
93 Flat Dutch (Late).....	.60	1.05	2.10	10.00
86 Jersey Wakefield.....	.55	1.00	1.85	8.75
91 Succession.....	.60	1.05	2.10	10.00

CABBAGE PLANTS—Frost Proof—(Page 5)

	1000	3000	12000
All Varieties.....	\$2.00	\$5.95	\$22.20

CARROTS—(Page 10)

	¼ lb.	½ lb.	1 lb.	5 lbs.
108 Chantaney.....	\$0.90	\$1.65	\$3.20	\$15.50
105 Danvers—H. Long.....	.85	1.60	3.10	15.00
106 Long Orange (Improved).....	1.00	1.85	3.65	
103 Oxheart (Improved).....	.75	1.40	2.80	13.00
104 Imperator.....	.95	1.75	3.40	16.50
107 Yellow Belgian (Large).....	.75	1.40	2.80	13.00

COLLARDS—(Page 10)

	¼ lb.	½ lb.	1 lb.	5 lbs.
127 Georgia White Cabbage.....	\$0.20	\$0.30	\$0.50	\$2.00
125 Louisiana Sweet.....	.20	.30	.50	2.00

CORN, GARDEN—(Pages 13 and 14)

	¼ Gal.	Gal.	Pk.	Bu.
				\$ 5.00
136 Adam's Large Early, Bu. 56 lbs.....	\$0.45	\$0.80	\$1.40	\$ 5.20
135 Adam's (Extra Early), Bu. 56 lbs.....	.50	.85	1.45	5.20
140 Country Gentlemen, Bu. 48 lbs.....	.65	1.15	1.90	7.00
141 Early Surprise, Northern, Bu. 55 lbs.....	.40	.70	1.25	4.50
134 Golden Bantam, Bu. 48 lbs.....	.70	1.20	1.95	7.15
139 Golden Cross Bantam, Hybrid, Bu. 48 lbs.....	1.10	1.95	3.75	13.95
133 Stowell's Evergreen Hybrid, Bu. 48 lbs.....	1.25	2.20	4.00	15.00
138 Stowell's Evergreen, Bu. 48 lbs.....	.70	1.20	1.95	7.15
137 Trucker's Favorite, Bu. 56 lbs.....	.40	.70	1.25	4.50
132 Whipple's Early (Yellow), Bu. 48 lbs.....	.65	1.10	1.80	6.85

CUCUMBERS—(Page 15)

	¼ lb.	½ lb.	1 lb.
161 Colorado or A. & C.....	\$0.55	\$0.95	\$1.80
160 Chicago Pickle.....	.55	.90	1.75
164 Early Fortune.....	.45	.80	1.50
163 Early Green Cluster.....	.55	.95	1.80
166 Long Green (Improved).....	.55	1.00	1.90
159 Stays Green.....	.45	.80	1.50
158 Straight 8.....	.55	1.00	1.80
165 White Spine (Improved).....	.45	1.80	1.50
167 Lemon.....	.55	1.00	1.90

EGG PLANT ENDIVE—(Page 10)

	Oz.	¼ lb.	½ lb.	1 lb.
183 Black Beauty Egg Plant.....	\$0.35	\$1.10	\$1.85	\$3.60
176 Broad Leaved Endive.....	.15	.30	.50	.85
175 Large Green Curled Endive.....	.15	.30	.50	.85

KALE—KOHL RABI—LEEK—(Pages 10 and 15)

	¼ lb.	½ lb.	1 lb.	5 lbs.
180 American Flag Leek.....	\$1.30	\$2.45	\$4.70	
187 Green Curled Kale (Dwarf Siberian).....	.25	.40	.70	3.25
178 White Kohl Rabi (Early).....	.85	1.60		

LETUCE—(Page 16)

	Oz.	¼ lb.	½ lb.	1 lb.
196 Big Boston.....	\$0.15	\$0.35	\$0.60	\$1.10
201 Chicken Lettuce.....	.15	.30	.50	.90
204 Curled Simpson (Early).....	.15	.30	.50	.90
202 Grand Rapids.....	.15	.30	.50	.90
207 Iceberg.....	.20	.45	.75	1.40
205 New York or Wonderful.....	.20	.60	1.10	2.10
195 Wawayhatchee.....	.15	.35	.60	1.10
198 White Cabbage (Early).....	.15	.35	.60	1.10
203 Imperial No. 847.....	.30	.55	1.00	1.85

MUSKMELON OR CANTALOUPE—Pages 12 and 13

	¼ lb.	½ lb.	1 lb.	5 lbs.
214 Banana.....	\$0.40	\$0.70	\$1.25	\$ 5.00
222 B. E. Surprise Muskmelon.....	.35	.65	1.15	5.50
220 Imperial No. 45.....	.40	.65	1.25	
212 Honey Dew.....	.35	.60	1.15	5.35
219 Rockford Green Flesh.....	.35	.65	1.20	5.50
210 Queen of Colorado.....	.35	.60	1.10	5.25
211 Hales Best Jumbo Strain.....	.35	.60	1.15	5.50

NOTICE TO CUSTOMERS

No price for any article listed or described herein exceeds the Ceiling Price determined under applicable Regulation of O. P. A. As required by O. P. A., on request, we will furnish statement of our maximum price on any article listed.

(Signed) R. B. BUCHANAN SEED CO.



BUCK BRAND TESTED SEEDS

WATERMELONS—(Pages 26 and 27)

	¼ lb.	½ lb.	1 lb.	5 lbs.	10 lbs.
236 Cole's Early	\$.20	\$.30	\$.35	\$2.50	\$ 4.50
240 Cur Red Watson (Select)	.25	.40	.70	3.25	6.00
228 Dixie Queen	.30	.45	.80	3.75	7.00
241 Early Kansas	.20	.30	.35	2.50	4.50
232 Florida Giant	.30	.50	.85	4.00	7.50
237 Georgia Rattlesnake	.20	.35	.65	3.00	5.50
235 Halbert Honey	.20	.35	.65	3.00	5.50
226 Hawkesbury	.25	.40	.70	3.25	6.00
233 Imp. Kleckley's or Wonder melons	.20	.35	.60	2.75	5.00
231 Leesburg	.25	.40	.65	3.00	5.50
255 New Stone Mountain	.20	.35	.60	2.75	5.00
234 Winona	.30	.50	.90	4.25	...
229 Cert. New Stone Mountain	.30	.55	.85	3.85	7.20
230 Cert. Tom Watson	.30	.55	.85	3.85	7.20
242 Cert. Imp. Kleckley's	.30	.55	.85	3.85	7.20
254 Cert. Dixie Queen	.45	.70	1.25	6.00	11.50
239 Cert. Florida Giant	.45	.70	1.25	6.00	11.50

MUSTARD—(Page 16)

	¼ lb.	1 lb.	5 lbs.	10 lbs.
244 New Chinese or Elephant Ear	\$.60	\$1.15	\$5.50	\$...
245 Florida Broad Leaf	.60	1.15	...	...
243 Southern Giant Curled	.50	.90	4.25	8.00
243A Southern G. Curled Long-standing	.55	1.00	4.80	9.25
265 Mustard-Spinach	.35	.65	3.10	5.80

OKRA—(Page 17)

	¼ lb.	½ lb.	1 lb.	5 lbs.
251 Clemson Spinless	\$.15	\$.20	\$.35	\$1.40
250 Dwarf Green	.15	.25	.35	1.40
248 Long Green	.15	.25	.35	1.40
249 White Velvet	.15	.25	.35	1.40
247 White Lightning	.15	.25	.35	1.40

ONION SEED—(Page 17)

	¼ lb.	½ lb.	1 lb.	5 lbs.
273 Ebenezer	\$.13	\$.20	\$.40	\$4.70
263 Prize taker (Straw Color)	1.70	3.15	6.15	...
259 Red Bermuda	1.50	3.05	7.15	...
262 White Bermuda Wax	1.50	3.05	7.15	...
278 Yellow Bermuda	1.90	3.65	7.15	...
258 Yellow Globe Danvers	1.30	2.40	4.70	...
257 Yellow Sweet Spanish	1.70	3.15	6.15	...

ONION SETS—Bu. 32 lbs. (Page 17)

	Gal.	Pk.	Bu.
268 Red Sets	\$.00	\$1.35	\$4.50
270 White Multiplier, Bu. 28 lbs.	.80	1.40	4.75
267 White Sets	.90	1.50	5.00
266 Yellow Sets	.75	1.25	4.25

ONION PLANTS—Bermuda—(Page 5)

	F.O.B. Memphis
Crystal White Bermuda Wax Plants	1000 6000 \$1.25 \$6.00
Yellow or Straw Colored Bermuda Plants	1.25 6.00

PARSLEY—PARSNIP—(Page 17)

	¼ lb.	½ lb.	1 lb.
274 Champion Moss Curled Parsley	\$.20	\$.35	\$.60
280 Sugar or Hollow Crown Parsnip	.40	.65	1.25

PEAS—English—Smooth—Bu. 60 lbs. (Page 18)

	Gal.	Pk.	Bu.
284 Alaska Early (Wilt Resistant)	\$.13	\$2.45	\$8.40
288 Ameer Large Pod Alaska	1.35	2.45	8.40
286 First and Best	1.35	2.45	8.40
294 Large White Marrowfat	1.35	2.50	8.60

PEAS—English—Wrinkled—Bu. 56 lbs. (Page 18)

	Gal.	Pk.	Bu.
287 American Wonder	\$.15	\$2.75	\$10.00
298 Bliss Everbearing	1.45	2.60	9.80
292 Champion of England	1.45	2.65	9.80
283 Laxtonian	1.50	2.75	10.00
297 Laxton Progress	1.60	2.85	10.25
295 Thomas Laxton	1.60	2.85	10.25
293 Tall Telephone	1.35	2.50	9.80
285 Dwarf Telephone	1.50	2.75	10.00
290 Premium Gem	1.45	2.65	9.80

PEPPERS—(Page 20)

	Oz.	¼ lb.	½ lb.	1 lb.	5 lbs.
302 Bell or Bull Nose	\$.20	\$.75	\$1.40	\$2.75	...
300 California Wonder	.30	.90	1.65	3.15	...
303 Chinese Giant	.35	1.10	1.90	3.70	...
304 Long Red Cayenne	.25	.75	1.35	2.60	...
312 Pimento	.25	.70	1.25	2.40	...
308 Red Chili	.35	.90	1.60	2.90	...
301 Royal King	.25	.70	1.25	2.40	...
305 World Beater	.25	.70	1.30	2.50	...
296 Cert. California Wonder	.70	2.60	4.40	7.90	...

PUMPKIN—(Page 21)

	¼ lb.	½ lb.	1 lb.	5 lbs.
315 Cushaw (Green Striped)	\$.30	\$.40	\$.75	\$3.50
318 Dickinson	.25	.45	.80	3.40
325 Cornfield Pumpkin	.15	.20	.30	1.35
314 Kentucky Field (Selected)	.15	.25	.40	1.75
316 King of Mammoth	.30	.50	.85	4.05
313 Small Sugar	.25	.40	.70	3.40
317 Tenn. Sweet Potato	.25	.40	.70	3.40

RADISHES—(Page 22)

	¼ lb.	½ lb.	1 lb.	5 lbs.	10 lbs.
348 China Rose Winter	\$.20	\$.35	\$.65	\$3.00	\$ 5.80
339 Early Scarlet White Tipped	.20	.35	.65	3.00	5.80
350 French Breakfast	.20	.35	.65	3.00	6.00
349 Long Black Spanish	.20	.35	.65	3.00	5.80
343 Long Scarlet, Short Top	.20	.35	.65	3.00	5.80
344 New Perfection, Half White	.20	.35	.65	3.00	5.80
351 Scarlet Globe	.20	.35	.65	3.00	5.80
346 White Icicle	.20	.35	.65	3.00	5.80

SALSIFY—(Page 25) SQUASH—(Page 21)

	¼ lb.	½ lb.	1 lb.	5 lbs.
363 Early Prolific Straightneck	\$.25	\$.35	\$.65	\$3.10
372 Giant Yellow Crookneck	.25	.35	.65	3.00
367 Golden Custard (Scalloped)	.25	.40	.65	3.10
371 Golden Summer Crookneck (Early)	.25	.35	.65	3.10
374 Hubbard	.30	.40	.75	3.50
368 White Bush Squash (Early)	.25	.35	.65	3.00
364 Salsify Mammoth Sandwich Island	.35	.65	1.20	...

SPINACH—(Page 23)

	1 lb.	5 lbs.	10 lbs.	25 lbs.
354 Bloomsdale Savoy (Reselected)	\$.65	\$3.00	\$5.50	\$12.50
361 New Zealand Summer	1.15	...	...	...
358 Savoy, Long Standing	.65	3.00	5.50	12.50
382 Viroflay (Large Smooth Leaf)	.65	3.00	5.50	12.50

TOMATOES—(Pages 24 and 25)

	Oz.	¼ lb.	½ lb.	1 lb.
377 Beefsteak	\$.35	\$.45	\$.90	\$3.70
387 Break-O-Day	.30	.80	1.50	2.85
397 Brimmer	.40	1.10	2.05	4.00
378 Earlianna, Special Strain	.35	.65	1.90	3.70
391 Greater Baltimore	.25	.65	1.10	2.10
394 Gulf State Market	.30	.90	1.70	3.30
393 Marglobe	.25	.60	1.00	1.90
382 New Stone	.20	.60	1.00	1.85
385 Mingold	.40	1.25	2.35	4.60
388 Oxheart (Extra Select)	.45	1.45	2.65	5.20
381 Ponderosa	.40	1.15	2.00	3.85
390 Rutgers	.25	.65	1.10	2.10
396 Certified Break-O-Day	.30	.90	1.70	3.30
392 Certified Greater Baltimore	.30	.90	1.70	3.30
379 Certified Grothen Globe	.30	.85	1.50	2.85
384 Certified Master Marglobe	.30	.90	1.65	3.00
375 Certified	.30	.90	1.65	3.10
380 Certified Marglobe	.25	.90	1.65	3.25

TURNIP SEED—(Page 23)

	¼ lb.	1 lb.	5 lbs.	10 lbs.	25 lbs.
413 Amber Globe	\$.20	\$.40	\$.90	\$3.60	\$ 9.75
402 American Red Top Globe	.30	.50	1.25	4.25	9.75
411 Aberdeen (Yellow)	.25	.40	1.00	3.60	...
405 Buchanan's Mixture	.20	.30	1.40	2.60	...
406 Extra Early White Egg	.25	.40	1.90	3.60	8.00
408 Shogoin (Louise Resistant)	.55	1.00	4.70	9.00	21.00
395 Large White Globe	.25	.35	1.65	3.10	...
401 Mann-Purple Top Globe	.25	.35	1.65	3.00	7.00
399 Purple Top Strap Leaf	.20	.30	1.40	2.60	...
418 Rutabaga (Imp. P. T.)	.55	1.00	4.80	9.40	...
400 Seven Top	.15	.20	1.00	1.90	4.50
404 Southern Prize	.20	.30	1.40	2.60	...

FUNK'S G HYBRID SEED CORN—(Page 45)

	Gal.	Pk.	¼ Bu.	½ Bu.	1 Bu.
G-244 Yellow Hybrid	7 lbs.	\$1.40	\$2.40	\$4.60	\$8.75
G-46 Yellow Hybrid	1.40	2.40	4.60	8.75	...
G-125 Yellow Hybrid	1.40	2.40	4.60	8.75	...
G-708 Yellow Hybrid	1.40	2.40	4.60	8.75	...
G-527W White Hybrid	1.40	2.40	4.60	8.75	...

SEED CORN—(Hand Selected) (Pages 46 and 47)

	Gal.	Pk.	¼ Bu.	½ Bu.	1 Bu.	2½ Bu.
1125 Paymaster	7 lbs.	14 lbs.	28 lbs.	56 lbs.	per Bu.	...
1132 Hickory King	.60	.95	1.70	3.20	3.00	...
1136 Mosby's Prolific	.60	.85	1.55	2.90	2.70	...
1129 Silver Mine	.45	.80	1.45	2.70	2.50	...
1126 Tenn. White Red Cob	.50	.85	1.55	2.90	2.70	...
1131 Tenn. Yellow Pave-master	.60	.95	1.70	3.20	3.00	...
1144 Jarvis Golden Prolific	.50	.85	1.50	2.80	2.60	...
1142 Reid's Yellow Dent	.45	.80	1.45	2.70	2.50	...
1139 Large Yellow Dent	.45	.80	1.45	2.70	2.50	...
1134 Blue Grain Mexican	.50	.85	1.55	2.90	2.70	...
1141 State Certified Jarvis Prolific	.65	1.00	1.75	3.30	3.10	...
1140 State Certified Paymaster	.65	1.00	1.75	3.30	3.10	...

STATE CERTIFIED COTON SEED

(Pages 48 and 49)

	100 lbs.	1000 lbs.	Ton
State Certified Stoneville No. 2B...	\$.75	\$7.50	\$135.00
State Certified Delta and Pine Land No. 12	6.75	62.50	120.00



BUCK BRAND TESTED SEEDS

ALFALFA AND CLOVER SEED—(Pages 50 and 51)

	10 lbs.	25 lbs.	60 lbs.	100 lbs.
1068 Alfalfa (Oklahoma)	\$4.70	\$11.00	\$25.20	\$41.00
1050 Alfalfa (Kansas)				
1051 Alfalfa (Dakota)				
1053 Red Clover	4.70	9.25	21.00	34.00
1055 Alsike Clover	4.20	9.75	23.20	36.00
1057 Sweet Clover, White Blossom	1.95	4.40	9.60	15.00
1056 White Dutch Clover	8.70	20.50	46.80	76.00
1060 Crimson Clover				
1066 Hop Clover	5.25	12.25	28.20	45.00

LESPEDeza—(Page 53)

	10 lbs.	15 lbs.	Bu.	100 lbs.
1061 Common Lespedeza—Bu. 25 lbs.	\$	\$	\$	\$
1080 Kobe—Bu. 25 lbs.				
1079 Korean—Bu. 25 lbs.				
1077 Sericea Lespedeza—Scarified— Bu. 60 lbs.				
1078 Tenn. 76—Bu. 25 lbs.				

BUCK BRAND GRASS SEED—(Pages 52 and 53)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
1100 Bermuda—Bu. 40 lbs.				
1102 Bermuda (Hulled)				
1103 Bermuda—Bu. 14 lbs.	\$3.20	\$7.50	\$14.50	\$28.00
1105 Dallis—Bu. 10 lbs.	3.10	7.25	14.00	27.00
1103 Kentucky Blue—Bu. 19 lbs.	2.40	5.50	10.50	20.00
1104 Orchard—Bu. 14 lbs.	4.10	9.50	18.50	36.00
1101 Red Top—Bu. 40 lbs.	1.70	3.50	6.50	11.50
1107 Rye Grass—Bu. 24 lbs.	1.35	2.90	5.25	10.00
1111 Sudan—Bu. 40 lbs.				
1108 Timothy—Bu. 45 lbs.	1.40	3.00	5.25	9.50
1117 Permanent Lawn	2.50	5.75	10.50	20.00
1118 Shady Lawn	2.80	6.25	11.50	22.00

BUCK BRAND PASTURE MIXTURES—(Page 53)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
1114 Lowland Pasture No. 3	\$2.70	\$6.00	\$11.00	\$21.00
1116 Permanent Hog Pasture No. 5	2.70	6.00	11.00	21.00
1112 Shady Pasture No. 1	2.70	6.00	11.00	21.00
1113 Upland Pasture No. 2	2.70	6.00	11.00	21.00

SEED OATS—Bu. 32 lbs. (Page 57)

	1/4 bu.	1 bu.	5 bu.	25 bu.
1275 Ferguson 922	\$0.75	\$1.35	\$1.20	\$1.15
1278 Fulgrim	.75	1.35	1.20	1.15
1280 Red Rust Proof	.75	1.35	1.20	1.15
1276 Columbia	.75	1.30	1.15	1.10
1277 New Nortex	.75	1.35	1.20	1.15

POTATOES—IRISH—Bu. 60 lbs. (Page 54)

	\$	\$	\$
322 Irish Cobbler, State Certified			
323 Red Triumph, State Certified			
White Warba, State Certified			
Chippewa, Certified			

POTATOES—SEED SWEET—(Page 54)

	1 bu.	Hamper
334 Nancy Hall, State Certified	\$	\$
335 Porto Rico, State Certified	\$	\$

POTATO SLIPS—Sweet, State Certified
—Shipped direct from our growers.
Plants ready April 1st. Catalogue
Page 5.

	500	1000	5000
Certified Nancy Hall Plants	\$	\$	\$
Certified Porto Rican Plants	\$	\$	\$

POPCORN SEED—(Page 47)

	1 lb.	10 lbs.	25 lbs.	100 lbs.
34 Yellow Dynamite, Select for Seed	\$0.15	\$1.25	\$2.75	\$10.00

PEANUTS—Bu. 22 lbs. (Page 54)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
1177 Peanuts (Spanish)				
1178 Peanuts (Tennessee Red)				

VETCH—Bu. 60 lbs. (Page 57)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
1176 Vetch (Sandy or Hairy Type)	\$	\$	\$	\$

MILLET—Bu. 50 lbs. (Page 55)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
1185 German or Golden				
1188 Pearl or Cat Tail	\$1.90	\$1.00	\$7.00	\$13.00

CANE, SAGRAIN, KAFFIR, MILO, ETC.

Bu. 50 lbs. (Page 55)

NON-WARRANTY—Owing to the peculiar hybridization of all cane varieties, it is impossible to guarantee any of the varieties here listed and we do not guarantee that they will come true. All orders for cane varieties are therefore accepted only on these conditions.

Syrup Canes

	10 lbs.	50 lbs.	100 lbs.
1194 Honey Drip Syrup	\$0.80	\$3.25	\$3.50

Fodder Cane (Page 55)

	10 lbs.	50 lbs.	100 lbs.
1198 Amber for Fodder	\$0.60	\$2.50	\$3.75
1197 Orange for Fodder	.60	2.50	3.75
1199 Red Top for Fodder	.60	2.40	3.50
1195 Seeded Ribbon for Ensilage or Fodder			

Grain Sorghum (Non-Saccharine Type) (Page 55)

	10 lbs.	50 lbs.	100 lbs.
1214 Atlas Sorgo			
1217 Groloma			
1215 Hegari	\$0.70	\$2.60	\$4.25
1210 Kaffir, White	.70	2.60	4.25
1213 Milo Maize, Yellow	.70	2.75	4.50
1212 Sagrain 303-37			

FIELD PEAS—Bu. 60 lbs. (Page 54)

	Pk.	Bu.	2 1/2 bu.	5 bu.
1230 Black (Running)				
1236 Clay (Running)				
1237 Mixed				
1238 New Era				
1240 Red Ripper (Running)				
1235 Whippoorwill				

Southern Table Peas—(Page 19)

	Gal.	Pk.	Bu.	100 lbs.
1248 Brown Crowder				
1241 Cream Crowder				
1243 Extra Early Blackeye				
1246 Gallivant or Lady				
1242 Rice or Cream				
1245 White Blackeye (Large)				
1244 White Browneye, Purple Hull				
1247 Calico (Running)				
1250 Conch or Acre (Running)				
1251 Grey or Silver Crowder				
1252 Butter Peas (Bunch)				
1253 Small Cream Crowder (Bunch)				
1254 Taylor or Blue Goose (Running)				
1255 Rams horn				

SOY BEANS, VELVET BEANS.

	Pk.	Bu.	2 1/2 bu.
1220 Arksoy 2913			
1218 Orden			
1224 Biloxi			
1233 Macoupin			
1225 Laredo			
1226 Ootootan			
1219 Tanner			
1230 Virginia			
1223 Mammoth Brown			
1232 Tokio			
1221 Ralsoy			
1231 Mamloxi			
1229 Mung Beans			
1228 Velvet Beans (Early Speckled)			

MISCELLANEOUS SEEDS—(Pages 51-54-55-57)

	10 lb.	Bu.	100 lb.
1273 Broom Corn, Stand Evergreen, Bu. 48 lbs.	\$1.90	\$8.00	\$15.25
1272 Broom Corn, Scarborough, Bu. 48 lbs.	1.80	7.75	15.00
1270 Crotalaria, Early, Bu. 60 lbs.			
1271 Crotalaria, Late, Bu. 60 lbs.			
1063 Rape (Dwarf Essex), Bu. 50 lbs.	1.85	7.00	12.50
1268 Sunflower (Russian), Bu. 25 lbs.	.95	2.00	6.75

DUBAY SEED DISINFECTANTS—(Page 68)

	2% CERESAN—for Cotton, Millet, Sorghums and Peas.
1-lb. tin	\$0.75
5-lb. tin	3.80
Three ounces treats a bushel.	

NEW IMPROVED CERESAN—for Oats, Wheat and Barley.

	4-oz.	5-lb.
1-lb.	\$0.30	\$ 3.40
1-lb.	.80	25-lbs.
1 lb. treats 32 bushels.		15.00

NEW IMPROVED SEMESAN JR.—for Corn.

	1 1/2-oz.	5-lb.
1-lb.	\$0.15	\$ 3.00
1-lb.	.75	25-lb.
Use 2 ounces per bushel of seed corn.		12.50

NEW IMPROVED SEMESAN BEL—for Potatoes.

	2-oz.	3-lb.
1-lb.	\$0.30	\$ 7.15
1-lb.	1.65	25-lb.
1 pound treats 60 to 80 bushels of seed potatoes.		33.25

SEMESAN—for Vegetables and Flowers.

	1/4-oz.	1-lb.
1-lb.	\$0.10	\$ 2.50
2-oz.	.40	5-lb.
Ounce treats 15 to 30 pounds of seed.		11.40

Please order Seeds by number prefixed to each variety. It saves your time in writing the order and our time in filling it.



BUCK BRAND TESTED SEEDS

FERTILIZER REGULATIONS

We can not sell any fertilizer containing chemical nitrogen for use on lawns, golf courses, parks, cemeteries, roadsides, or non-commercial plantings of trees, shrubs or flowers.

We can not sell any fertilizer containing chemical nitrogen for use on melon or cucumber crops.

We can not sell any mixed fertilizer containing chemical nitrogen for use prior to July 1, 1943, on small grains to be harvested for grains.

We can not sell any fertilizer containing chemical nitrogen, for use on Victory Gardens, which means any home garden other than 3-8-7 listed below and Vigoro as long as our present stock of Vigoro lasts.

BUCHANAN'S FERTILIZERS—(Page 67)

	100 lbs.	500 lbs.	Ton
Buchanan's Acid Phosphate, 18%	\$. . .	\$. . .	\$. . .
Buchanan's Acid Phosphate, 20%	3.10		
Buchanan's Bone Meal (Steam)			
Buchanan's Murate of Potash, 50%			
Buchanan's 4-8-8 for Root Crops			
Buchanan's Sulphate of Ammonia			
Buchanan's Tip Top Trucker 6-8-6			
Buchanan's Truck Grower 4-8-4			
Nitrate of Soda			
Peat Moss (Granulated), full bale \$3.50			
Vigoro—25 lb. Bag \$1.50, 50-lb. Bag \$2.50	4.00		

NITRAGIN—INOCULATION—(Page 66)

ALFALFA, ALL CLOVERS

Culture Group "A"—Alfalfa, all Sweet Clover, Hubam and Bur Clover.

Culture Group "B"—Clovers—Red, Mammoth Red, Alsike, Crimson, White.

Size	Inoculates	Price
1/2 bu.	30 lbs. seed	\$ 0.30
1 bu.	60 lbs. seed	.50
2 1/2 bu.	150 lbs. seed	1.00

LESPEDeza

Culture Group "L"—All varieties of Lespedeza—Unhulled or hulled.

	Price
Small package inoculates up to 50 lbs. seed	\$ 0.35
Large package inoculates up to 100 lbs. seed .....	.50

SOY BEANS, COW PEAS—(Page 66)

Culture Group "S"—Soy Beans (all varieties).

Culture Group "E"—Cow Peas, Peanut, Velvet Beans, Crotalaria.

Size	Inoculates	Price
Small package inoculates up to 120 lbs. seed		\$ 0.30
5 bu. inoculates 300 lbs. seed .....		.55
25 bu. inoculates 1500 lbs. seed		2.50
30 bu. 6-5 bu. cans, inoculates 1800 lbs. seed		3.25

VETCH, GARDEN PEAS, AUSTRIAN WINTER PEAS AND BEANS

Culture Group "C"—Garden Peas, Vetch (Hairy, Spring and Wild), Sweet Pea, Perennial Peas and Lentils.

Culture Group "D"—Field and Garden Beans (including Navy, Kidney and Scarlet Runner Beans).

Size	Inoculates	Price
1/2 bu.	30 lbs. seed	\$ 0.25
1 bu.	60 lbs. seed	.35
1 1/2 bu. Vetch and Austrian Peas only	100 lbs. seed	.50
1 1/2 bu. Vetch and Austrian Peas only	750 lbs. seed	3.50

DOG FEEDS—(Page 71)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Peerless Dog Ration	\$0.70	\$1.50	\$3.00	\$5.50
Peerless Dog Cake (Quads) .....	.75	1.55	3.10	5.75
Peerless Kibbles	1.00	2.25	4.10	8.00

BUCHANAN BIRD SEED IN BULK

	5 lbs.	10 lbs.	25 lbs.
Bird Hemp	\$1.50	\$2.85	\$. . .
Bird Lettuce .....	.75	1.25	...
Bird Millet .....	.40	.70	1.50
Bird Rape .....	.65	1.20	2.50
Buchanan's Mixed Canary Seed .....	.60	1.15	2.50
Plain Canary .....	.85	1.60	3.75
Sunflower Seeds .....	.45	.85	1.75
Cuttle Fish Bone, 1 lb.			

POULTRY FEEDS

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Apex Vitameik Buttermilk Chick Starter	\$0.55	\$1.10	\$2.10	\$3.95
Apex Vitameik Buttermilk Growing Mash .....	.50	1.05	2.00	3.85
Apex Vitameik Chick Grain .....	.45	.90	1.65	3.10
Apex Vitameik Laying Mash .....	.50	.95	1.80	3.45
Apex Vitameik Hen Scratch Feed .....	.40	.80	1.40	2.60
Apex Growing Grain .....	.45	.85	1.45	2.70

OYSTER SHELL—POULTRY GRIT, ETC.

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Charcoal Chick or Hen Size	\$0.40	\$0.75	\$1.25	\$2.25
Grit, Chick or Hen Size .....	.35	.40	.60	.95
Oyster Shell, Chick or Hen Size .....	.35	.40	.60	.95
Poultry Litter—(Page 72)			Full Bale	3.95

JUTE TWINE—(Page 59)

For bunching vegetables tying up tomatoes, grape vines, etc.	
Two-ply 1/2 pound balls, 25 lbs. or more, per lb.	\$0.28 1/2
Two-ply (100 ends) Original coils, about 50 lbs., per lb. ....	.28

HAND SHEARS—LOPPING SHEARS—PRUNING SAWS—

	Each
No. 230 Hand Shear	\$1.83
No. 130 Hand Shear (California Pattern)	1.00
No. 119 Hand Shear (Snap Cut)	2.00
No. 9 Junior (Snap Cut)	1.00
No. 22 Hand Shear Pruner (8 in. long) .....	.60

Lopping Shears

No. 149 H. H. Pruner (27 in. long) Snap Cut	3.50
No. 055 Medium weight, 28 in.	2.75
No. 056 Same as 055 (36 in. long)	3.25

Pruning Saws

No. 113 California Pattern, 12 in.	1.35
No. 20 California Pattern, Narrow Blade, 12 in.	1.35

SPRAY MATERIALS AND INSECTICIDES—
(Pages 62 thru 65)

Add \$2.40 for 30 gal. containers and \$4.00 for 55 gal. container for Oil Emulsion. These must be returned promptly, and refund will be made at these prices f. o. b. Memphis.

	5	10	15	30	55
	Gals.	Gals.	Gals.	Gals.	Gals.
Buchanan's Oil Emulsion	\$2.25	\$4.00	\$5.25	\$6.60	\$11.55

	5	10	15	30	50
	Gals.	Gals.	Gals.	Gals.	Gals.
Scalecide	\$6.35	\$. . .	\$14.95	\$23.75	\$35.89

Price on Lime Sulphur includes drum. Please return drums promptly and receive \$2.00 refund f. o. b. Memphis. We need the drums.

	5	10	15	30	55
	Gals.	Gals.	Gals.	Gals.	Gals.
Lime Sulphur Solution	\$2.15	\$4.00	\$5.60	\$7.20	\$10.45

Add \$5.00 each for 54 gallon drums of both materials below and the drums must be returned for full credit delivered Memphis.

	5	10	15	30	54
	Gals.	Gals.	Gals.	Gals.	Gals.
Orthol-K Summer Oil	\$4.25	\$8.25	\$12.00	....	\$32.40
Kleanup Ready Mix Dormant Oil	3.00	5.30	7.35	....	19.40

Alorco Cryolite	24 lbs.	43 lbs.	96 lbs.	
Arsenate of Lead (Packed in 4-lb. Pkgs.)	\$4.00	\$7.44	\$14.40	
Bordeaux Mixture (Packed in 4-lb. Pkgs.)	3.84	6.96	13.68	
34 Copper Fungicide	3.60	6.72	13.44	
Calcium Arsenate (Packed in 4-lb. Pkgs.)	4.35	8.15	15.36	
Ditomic Sulphur for Apples (Packed in 4-lb. Pkgs.)	2.70	4.56	9.12	
Sulfuron Micro-fine Sulphur	2.65	4.32	8.64	
Dutox (Packed in 6-lb. Pkgs.)	2.00	3.84	7.44	
Lime Sulphur Powder (200-lb. Drum \$19.00)	12 1/2 lbs.	25 lbs.	50 lbs.	100 lbs.
Peach Ditoic Sulphur (Packed in 5-lb. Pkgs.)	\$1.50	\$2.75	\$5.25	\$10.00
Calcium Arsenate (100-lb. Drum)	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Derris Dust	\$. . .	\$2.25	\$3.50	\$6.75
Superfine Sulphur, 300 Mesh	1.50	3.40	6.25	11.75
Dusting Sulphur, 200 Mesh .....	.65	1.15	2.00	3.35
Blue Stone, Snow Form (Powdered)	1.00	2.35	4.35	8.40
Hydrated Lime for Spraying .....	.25	.65	1.20	2.30
Slug Shot	2.30	3.50	6.25	11.75
Tobacco Dust .....	.60	1.00	1.75	3.25
Paradichlorobenzene	2.25	4.25	8.00	14.50
Fish Oil Soap .....	....	....	....	....
Paris Green, 14-lb. can, \$5.15 .....	....	....	....	10.00
Alcicide Weed Killer .....	.95	2.25	3.10	5.75
Ortho Dry Spreader	2.30	5.25	10.50	21.00
Soy Bean Flour Spreader	1.10	2.25	4.25	8.25
Black Leaf 40 (Liquid)	5 oz.	1 lb.	2 lbs.	5 lbs.
Corrosive Sublimate	\$1.00	\$2.27	\$3.30	\$6.60
Ethylene Dichloride Emulsion	4 lb.	1 lb.	5 lbs.	17.50
New-Evergreen	\$1.10	\$2.37	\$3.75	\$7.50
Nursery Volck	Pt.	Qt.	Gal.	5 Gal.
Red Arrow Insect Spray	\$0.30	\$0.60	\$1.50	\$6.00
Crowood Oil, 50-Gal. Drum \$16.00	2.15	12.30	....	....
Champion Tree Killer .....	.75	2.25	....	9.00
Kreso Dip	2.85	5.00	....	2.50
....	.50	1.25	5.50	....
....	.50	.75	1.75	6.50



BUCHANAN'S ZINNIAS

The seeds may be sown in a hot bed or sunny window and transplanted, or sown later in the open ground. If sown in the open ground in April, thin out as soon as the plants are well up, leaving at least 1½ feet each way, as they are robust growers and require a large amount of space to attain maximum size. The plants come into flower early in the summer and keep on blooming until hard frost.

All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c—7 for 50c

		CALIFORNIA GIANT ZINNIAS			Pkt.	Oz.	Oz.
780	Crimson	785	Purple		10	.25	.60
780A	Lavender	786	Rose		10	.25	.60
781	Golden Yellow	787	Violet		10	.25	.60
782	Flesh Pink	789	Scarlet		10	.25	.60
783	Canary Yellow	790	Burnt Orange		10	.25	.60
784	White	791	Salmon		10	.25	.60
792	Giants of California Mixture				10	.20	.50
794	Buchanan's Collection of Giant Zinnias. The greatest value ever offered in Zinnia Seed, One packet each of ten separate colors. 65c						

MAMMOTH DAHLIA FLOWERED ZINNIAS

756	Golden State. A very rich orange-yellow.	10	.25	.60
757	Dream. A fine deep lavender, turning to purple.	10	.25	.60
758	Crimson Monarch. By far the largest and best of the red shades. Flowers often eight inches in diameter.	10	.25	.60
759	Exquisite. The most pleasing of our collection. Color light rose with center of deep rose.	10	.25	.60
760	Oriole. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named.	10	.25	.60
761	Old Rose. It is of the real Old Rose shade; it is large, and for charm and beauty we consider it ranks next to Exquisite.	10	.25	.60
762	Polar Bear. A very large pure white, the best white yet seen in Zinnias.	10	.25	.60
763	Canary Bird. A rich canary yellow—very large and holds its color well.	10	.25	.60
764	Scarlet Flame. A large, vivid, bright scarlet, with a delightful blending of orange throughout the petal.	10	.25	.60
765	Special Gold Medal Mixture. A well blended mixture containing all the above varieties.	10	.20	.50
767	Purple Prince. A deep rich shade of royal purple.	10	.25	.60
771	Illumination. Tyrian rose. Cerise or rosey scarlet; an unusual bright rich shade in Zinnias.	10	.25	.60

766 BUCHANAN'S COLLECTION OF DAHLIA FLOWERED ZINNIAS. One packet each of ten separate colors 65c

768 SUPER CROWN O'GOLD PASTEL TINTS. A vastly improved strain of the Crown O'Gold type, with large well formed flowers in soft pastel shades, each petal overlaid at the base with deep golden yellow while carrying out the individual flower color at the tip creating an unusually artistic effect. 10 .35 1.00

769 FANTASY. Mixed. Different from the ordinary stiff, formal Zinnia. Plants are 2½ to 3 feet in height and very free flowering. The medium sized lacy flowers are composed of a mass of shaggy, ray-like petals and the color range is excellent and brilliant, while carrying out the individual flower color at the tip, creating an unusually artistic effect 10 .25 .60

769A Fantasy Wildfire. A rich dazzling scarlet. 10 .35 1.00

769B Fantasy Rosalie. Bright rose. 10 .35 1.00

LILLIPUT ZINNIAS. The dainty, pompon flowers are borne on dwarf, bushy plants 12 to 18 inches high. They are used extensively as edgings to taller plants, as borders and are especially lovely as cut flowers combined with larger blossoms.

795 Lilliput Pastel Mixture. The lovely soft shades of apricot, peach, creamy yellow, shell pink, delicate salmon, light rose and orchid. The plants are 12 to 15 inches high, neat in habit, of compact growth and very free flowering 10 .25 .60

796A Lilliput Pink 796 Crimson 797 Mixed 10 .25 .60

796B Lemon Yellow 796C Orange 798 Purple 10 .25 .60

796D Salmon Rose 10 .25 .60

799 TOM THUMB. Very dwarf, 4 to 6 inches high, covered with small double flowers. Very dainty and desirable for borders, beds or rockwork. Our mixture contains a wide range of the most pleasing colors. 10 .30 .80

800 SCABIOUS. This entirely different type resembles a double crested cosmos. The flowers, 2½ to 3 inches across, are composed of a row of broad outer petals around a cushion-like crown of quill-like petals, a mixture of bright, showy colors. 10 .40 1.25



California Giant Zinnia



Lilliput Zinnia



Dahlia Flowered Zinnia



BUCK BRAND TESTED SEEDS



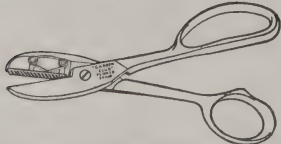
Sunburst



Briarcliff



Etoile de Holland



No. 750—**FLOWER SHEAR**—Cuts and holds flowers. A perfect one-hand flower picker. Post paid, 70c; at Store, 60c.

BUCHANAN'S EVERBLOOMING BUSH ROSES

All two-year field grown vigorous plants
Transplant roses in early spring or late fall for best results, in a well prepared bed. Sandy, clay soil is preferable and good drainage is essential. Apply Vigoro fertilizer early in spring and again in August and a generous application of bone meal in October or November will feed them through the winter.

Any Variety—Each, 50c; 3 for \$1.40; 6 for \$2.35; 12 for \$4.25; post paid.

PINK BUSH ROSES

- LOS ANGELES** Rich, flaming pink shaded with golden yellow at base of petals.
- DAME EDITH HELEN** Very large, perfectly shaped, clear pink buds.
- BRIARCLIFF** Brilliant rose pink, very fragrant; finest large pointed buds.
- COLUMBIA** Vivid silvery pink, sweetly scented and free flowering.
- J. L. MOCK** Bright rich pink faced with carmine; gigantic buds, stiff stems.
- EDITOR MCFARLAND** Long, pointed buds. Flowers very large and double.
- MRS. CHAS. BELL** Shell pink lovely buds, blooms as freely as Radiance.
- PAUL NEYRON** Clear pink, shading to rose. Immense size, very double, fragrant.
- RADIANCE PINK** Rose pink with silver reflections. Blooms most profusely.
- WILLOWMERE** Rich shrimp pink. Base of petals a pure gold.
- PINK KILLARNEY** Sparkling dark pink. Long pointed bud, immense flowers.

RED BUSH ROSES

- ETOILE DE HOLLAND** A sparkling, brilliant red. Very fragrant healthy and free flowering. Color holds and doesn't blue, as does other reds.
- AMI QUINARD** Dark velvety crimson. Very dark buds opening into flowers of unfading crimson maroon. Strong, Vigorous grower.
- ETOILE DE FRANCE** Bright vivid crimson, cerise centers, heavy bronze green foliage.
- FRANCIS SCOTT KEY** Light crimson. Very large buds, very double flowers.
- CHAS. K. DOUGLAS** Crimson-scarlet. Fine long pointed buds. Unfading color.
- GRENABLE** Clear, scarlet red, tall, strong growing.
- RED RADIANCE** Even clear red. America's most popular rose. Constant bloomer.
- AMERICAN BEAUTY** Brilliant rose carmine. Immense flowers, delightfully fragrant.
- SENSATION** Very double, scarlet crimson overlaid with glossy maroon.
- E. G. HILL** Massive bloom of rich maroon.
- CHAS. P. KILHAM** Bright scarlet with gold base. Large and very double.
- HADLEY** Deep, dark red. Flowers double with well formed buds.

YELLOW BUSH ROSES

- GOLDEN OPHELIA** Golden yellow blooms, shading lighter toward edges. Fragrant.
- LUXEMBOURG** Apricot yellow shaded orange. Fragrant, exquisitely shaped.
- JOANNA HILL** Soft yellow with gleaming gold heart. Pointed bud.
- LADY HILLINGDON** Saffron yellow. Color deepens daily after being cut.
- SUNBURST** Deep golden yellow of intense shade. A favorite everywhere.

WHITE BUSH ROSES

- FRAU KARL DRUSCHKI** Snow white, very large, truly the White American Beauty.
- K. A. VICTORIA** Pure white with creamy tinge at base of petals.
- WHITE KILLARNEY** Exquisitely perfumed double flowers. Unsurpassed white rose.
- CALEDONIA** Pure white with exquisitely curved petals.

TWO-TONED BUSH ROSES

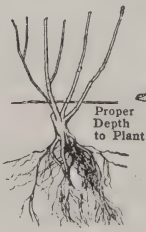
- PRES. HERBERT** A blending of pink, flame, scarlet and yellow.
- HOOVER** Coppery, red buds, flowers large, orange, carmine.
- BETTY UPRICHARD** Bright apricot, gold and deep pink, very popular.
- TALISMAN** Coppery outer petals with orange-gold centers.
- EDITH NELLIE PERKINS** The rich golden yellow blooms are shaded deeper on reverse side of petals—almost a deep orange. Its fragrant flowers are very large and are produced on strong, healthy plants.
- ROSLYN** The rich golden yellow blooms are shaded deeper on reverse side of petals—almost a deep orange. Its fragrant flowers are very large and are produced on strong, healthy plants.

SPRAY YOUR ROSES WITH

TRI-OGEN

Rose Garden Spray Treatment—it protects roses against many insects and diseases—it tends to promote healthy plant growth.

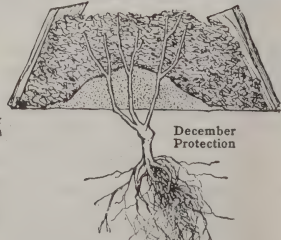
3 sizes—\$1.70, \$4.25, \$6.35, post paid.



Proper Depth to Plant



November Protection



December Protection

A ROSE STORY IN PICTURES



BUCHANAN'S ROSES—FINEST VARIETIES

Prices, Post Paid—Each, 60c; 3 for \$1.60; 6 for \$2.50; 12 for \$4.65.

- MRS. E. P. THOM—Bright canary yellow. Slender, well-shaped buds open into full double flowers. One of the most popular yellow roses among rose fanciers.
- GOLDEN DAWN—The pointed buds are bright yellow, often tinged with red, and the open blooms are clear lemon yellow that does not fade; exceedingly fragrant.
- MRS. PIERRE S. DU PONT—Golden yellow. Bud is long pointed, rich reddish-gold, almost orange at petal base. Exceptional bloomer and disease resistant.
- LADY MARGARET STEWART—An old favorite and one of the best yellow roses. The flowers are large, deep yellow flushed with orange red.
- HEINRICH WENDLAND—Large, double blooms of nasturtium red, reverse of petals golden yellow distinctly two-toned.
- CUBA—Vivid orange-scarlet buds, opening immense flowers of copper red and brilliant orange, vermillion. Very free flowering.
- MARGARET MCGREDY—Brilliant oriental buds of marvelous orange vermillion color with gold base. A truly great rose.
- HINRICH GAEDE—The most colorful of all roses. The long, pointed buds of a brilliant coppery red open vermillion shaded golden yellow. Fragrant.
- MRS. SAM MCGREDY—Beautiful scarlet orange heavily flushed with rich red on outside of petals. Delicately perfumed.
- MCGREDY'S SCARLET—A superior rose due to its strong, vigorous growth free flowering and its brilliant red color with gold at base of petals.
- AUTUMN—Unique coloring, gorgeous burnt orange, streaked and marked with red. Large handsome buds developing to full double, fragrant blooms.
- CONDESA DE SASTAGO—Everyone liked this spectacular Rose with its cupped flowers of orange-scarlet on the inside and yellow on the reverse. Strong grower with heavy foliage; fragrant, free flowering.
- MRS. HENRY BOWLES—Beautiful, clear pink of fine form. Very free flowering and vigorous.
- ROWENA THOM—Enormous buds and flowers of glistening, satiny rose pink. Centers shaded orange-flame, profuse bloomer.

MARECHAL NIEL—Exquisite large buds and flowers of softest, rich yellow. Borne in great profusion. Very fragrant. Without doubt the finest and most beautiful yellow climber. Should have winter protection. Each, 60c; 3 for \$1.60.

CLIMBING ROSES

Prices, Post Paid—Each, 50c; 3 for \$1.40; 6 for \$2.35

CAUTION: Be sure to specify CLIMBING in your order.

- AMER. BEAUTY.....Rosy-crimson, large, well-formed, fragrant flowers.
- PAUL'S SCARLET.....Vivid scarlet. One of the most popular of all climbers.
- DR. W. VAN FLEET.....Delicate flesh pink, rapid growth, entirely satisfactory.
- MARY WALLACE.....Vivid, brilliant pink—very hardy.
- SILVER MOON.....Silvery white, yellow stamens, very large.
- GARDENIA.....Hardest, most dependable, yellow climber.
- PINK RADIANCE.....The most satisfactory pink climber.
- RED RADIANCE.....Blossom same as bush type. Unsurpassed red climber.
- TALISMAN.....Similar to bush type. A real rose sensation.
- K. A. VICTORIA.....Creamy white like the bush rose. Reliable and hardy.
- COLUMBIA.....Exquisite silver pink. Free bloomer.
- HOOVER.....Same coloring as bush variety.

PERNET ROSE



HORMODIN POWDER No. 1

The treatment of cuttings is simple. Cuttings are first dipped in water and then dipped in Hormodin Powder and tapped gently to remove the excess. The treated cuttings are planted in the propagating medium in the usual way. No special equipment or training is necessary to use Hormodin Powder. Especially good for carnations, roses, poinsettias, chrysanthemums, and similar types. An ounce treats about 2,500 cuttings of average size.

Post Paid, 1¼ oz., 55c; lb., \$3.10

BUCHANAN'S ROSE COLLECTIONS

Order Rose Collections by number only. It is not necessary to mention the varieties in the collection you order.

No. 1—RADIANCE COLLECTION OF 3. \$1.00, Post Paid

1 Pink Radiance 1 Red Radiance 1 Briarcliff

No. 2—SPECIAL COLLECTION OF 3, \$1.30, Post Paid

1 Etoile de Holland 1 Autumn 1 Golden Dawn

No. 3—SPECIAL COLLECTION OF 6. \$2.35, Post Paid

1 Rowena Thom 1 Talisman 1 Golden Dawn
1 Hinrich Gaede 1 McGredy's Scarlet 1 K. A. Victoria

No. 4—OLD RELIABLE COLLECTION OF 6. \$2.00, Post Paid

1 Red Radiance 1 K. A. Victoria 1 Sensation
1 Pink Radiance 1 Golden Ophelia 1 Pres. Hoover

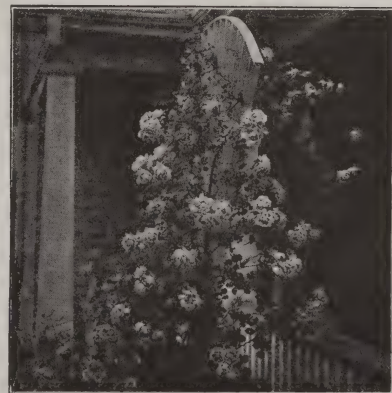
No. 5—BUCHANAN'S SPECIAL COLLECTION OF 12. \$3.95, Post Paid

1 Columbia 1 Red Radiance 1 Talisman
1 Golden Ophelia 1 Briarcliff 1 Autumn
1 Etoile de Holland 1 Pres. Hoover 1 Pink Radiance
1 F. K. Druschki 1 K. A. Victoria 1 Sensation

Mrs. Pierre S. Du Pont



Golden Dawn



Paul's Scarlet



Cadillac



scab, and to destroy the thrips and their eggs. Use 1/3 oz. to a qt. of water. Full directions on package. 1/3 oz., 10c; 2 oz., 45c, postpaid.

GLADIOLUS

Hard rot, scab or pock, and several other diseases of gladiolus are carried on the corms. Thrips also live over winter on the corms. Liquid Semesan treatment of the corms helps to control the surface-borne hard rot and

SPECIAL GLADIOLUS OFFER

12 Splendid Varieties for
50c, Post Paid

One each of the following: Betty Nuthall, Debonair, Gold Eagle, Flaming Sword, E. J. Shaler, Margaret Fulton, Dr. Bennett, Golden Dream, Chas. Dickens, Picardy, Maid of Orleans, Giant Nymph.

BUCHANAN'S
RAINBOW COLLECTION

28 No. 1 Select Bulbs,
Post Paid for \$1.00

This unsurpassed Gladiolus collection includes one bulb of each variety in the 50c collection and also 4 bulbs of each of the following varieties: Minuet, Commander Koehl, Pelegrina, Cadillac.

BUCHANAN'S GLADIOLUS BULBS

All Prices on this Page Post Paid		6	12	25	100
966	MAID OF ORLEANS. The best creamy white to-day. It blooms extra early. The spikes are tall and straight with six to eight clear, large, florets open at once.....	.35	.60	1.10	3.15
961	BETTY NUTHALL. Magnificent, light salmon-pink with pale orange throat and light feathering of carmine. Flowers very large, 6 to 8 open at one time, of splendid substance, and well placed on strong, tall spikes. Outstanding variety.....	.30	.50	.95	2.75
962	E. J. SHAYLOR. Scintillating rose-carmine with rich purple feathering on lower petals. Very early and free flowering with many ruffled florets open at one time.....	.35	.60	1.10	3.15
963	MARGARET FULTON. A clear glistening coral pink. A good strong grower and early bloomer with six to eight florets of a really outstanding color.....	.30	.50	.95	2.75
964	W. H. PHIPPS. Enormous flowers of clear pink, overlaid with salmon-rose. Often 20 flowers open at one time, making this variety wonderful for cut-flower use. A consistent show winner.....	.35	.60	1.10	3.15
965	DEBONAIR. La France pink shading to shrimp pink with creamy throat blotch. Six to eight medium large blooms open on a very tall, always straight spike. A dependable late variety.....	.25	.45	.75	2.25
966	GIANT NYMPH. Extra large flowers of exquisite rose-pink with pale gold throats. Vigorous grower and one of the finest varieties.....	.30	.50	.95	2.75
967	FLAMING SWORD. A brilliant, early flame colored glad. Large flowers borne on slender, tall spikes.....	.35	.60	1.10	3.15
968	RED PHIPPS. An exquisite shade of soft red and one of the very best. Eight or more large florets open at one time. A most popular mid-season variety.....	.35	.60	1.10	3.15
969	CADILLAC. Extra tall spikes: flowers well placed and of good form; many open at one time. Its golden apricot color shades to a soft warm apricot-rose toward edge of petals. No throat markings, stamens and pistils creamy white.....	.40	.65	1.25	3.65
970	DR. F. E. BENNETT. An outstanding Gladiolus. Gorgeous peach-red overlaid with flame scarlet. Throat stippled with ruby and white. Tall spike with many well placed blooms open at one time.....	.40	.65	1.25	3.65
971	GOLD EAGLE. A very early, rich golden yellow bearing slightly ruffled flowers on vigorous straight spikes.....	.35	.60	1.10	3.15
972	PHYLLIS McQUESTON. A new, pure pink that blends perfectly to a soft light throat. It is thoroughly practical as well as gorgeously beautiful. The tall spikes are always straight, carrying as many as 22 buds.....	.35	.60	1.10	3.15
973	GOLDEN DREAM. The richest, clearest, pure golden yellow. Large flowers with gracefully recurved petals well placed on tall straight stems. Very distinct and beautiful variety.....	.35	.60	1.10	3.15
974	MINUET. Magnificent variety and a blue ribbon winner at every show. Without a doubt the finest clear lavender in existence. Five to six exquisite orchid-like flowers open at one time.....	.35	.60	1.10	3.15
975	CHARLES DICKENS. A deep rich shade of royal purple with a deeper color in the throat. Tall vigorous growing plant.....	.40	.65	1.25	3.65
976	PELEGRINA. Vivid, dark violet blue. Two lower petals a trifle darker. Very showy and the best in its class.....	.40	.65	1.25	3.65
977	PICARDY. A most sensational flower of delicate apricot-pink. The exhibition blooms are extremely large, slightly ruffled and of heavy wax-like substance. Without doubt the most popular of all Glads.....	.30	.50	.95	2.75
978	WASAGA. Slightly ruffled petals of clear apricot shading to a golden buff throat. Flowers very large.....	.35	.60	1.10	3.15
979	COMMANDER KOEHL. Huge, wide open blooms of richest, dark scarlet, almost black, no markings or blotches. Heavy substance. Vigorous.....	.40	.65	1.25	3.65
	GARDEN ASSORTMENT. Good mixture including early, medium and late varieties in all colors.....	.40	.65	1.85	

NOTICE

We ship only first quality stock. It is clean, disease free, healthy and true to name. We have selected, in a wide range of color, the varieties that give maximum performance, as to blossom and growth in this area, out of the thousands on the market.

REMEMBER, we do not handle bulblets nor seconds.

CULTURE—They are not only showy in the garden, but, when cut with the first flower open, will last for days in a house. The new colorings defy the choicest orchids. Plant bulbs 3 to 4 inches deep, 6 inches apart, and stake when 2 feet high. Flowers appear from early July until late in the fall if several plantings are made.

GLADIOLUS READY FOR SHIPMENT ABOUT MARCH 1



BUCHANAN'S GIANT DAHLIAS

Dahlias ready for shipment about March 1. Order on separate order blank.
All Prices on This Page Post Paid

CULTURE—Plant bulbs in hills 3 feet apart any time after danger of frost. Soil must be fertile or heavy fertilization is necessary. Lay bulbs flat and cover with six inches of soil. Dahlias require a great deal of moisture and clean cultivation. VIGORO is the ideal Dahlia fertilizer.

990—FORT MONMOUTH (Decorative)—Rich, velvety, deep crimson with maroon shading. Heavy petal formation. Long stiff stems. Each, 35c; 3 for 75c.
982—JERSEY BEAUTY (Decorative)—Flowers of good size and substance on long stems. Exquisite, luminous pink. Excellent cut flower. Each, 25c; 3 for 60c.

983—MRS. IDE VER WARNER (Decorative)—A refined mauve-pink, beautifully formed. Large blooms carried on long, strong stems. A free, continuous bloomer. Each, 20c; 3 for 50c.

984—PURITY (Decorative)—Resembling a pure white Camellia. Free bloomer producing exhibition blooms. Each, 20c; 3 for 50c.

985—JANE COWL (Decorative)—Huge flowers of bronze buff and old gold, blending to a bright apricot-rose at center. A superb dahlia. Vigorous grower. Each, 25c; 3 for 60c.

986—OMAR KHAYYAM (Decorative)—A Chinese red at the base of petals, shading to a bright orange with paler tips. A really superb color effect. Each, 35c; 3 for 75c.

987—MRS. GEO. L. BOUTILLIER (Decorative)—A rich velvety carmine, giant in size and outstanding in every respect. An exceptionally good cut flower. Each, 35c; 3 for 75c.

987A—PRIDE OF CALIFORNIA (Decorative)—Mammoth, rich American Beauty red. Vigorous tall grower. Each, 20c; 3 for 50c.

988—CLARA CARDER (Decorative)—The largest of the pinks. Clear cyclamen-pink. Very strong grower with stiff stems. In a color class by itself. Profuse. Each, 40c; 3 for \$1.00.

989—JERSEY'S BEACON (Decorative)—The color is Chinese scarlet with a paler reverse, giving a two-toned effect. Flowers are very large and globular in form. It is a prolific bloomer and vigorous grower. Each, 25c; 3 for 60c.

1004—PRINCE OF PERSIA (Decorative)—Striking, rich, cardinal red of exceptional size and substance. Considered by many growers the most beautiful of all large red Dahlias. Each, 35c; 3 for 75c.

990A—LORD OF AUTUMN (Decorative)—The greatest of all yellow Dahlias. The color is a clear pure, yellow, the flowers gigantic, deep, perfectly formed, and terminate on long, stiff, straight stems. A continuous prize winner. Each, 60c; 3 for \$1.50.

1000—THOS. A. EDISON (Decorative)—Dark purple with the sheen of velvet. A strong, vigorous grower of medium height. Free bloomer. Each, 40c; 3 for \$1.00.

1001—KENTUCKY (Decorative)—A brilliant salmon-orange shading to grenadine-pink on outer petals. A thrifty grower and prolific bloomer under all weather conditions. Each, 30c; 3 for 75c.

1002—CALIFORNIA IDOL (Decorative)—A giant clear yellow that is a consistent show winner. Vigorous grower. Each, 35c; 3 for 75c.

1003—HILCREST MANDARIN (Decorative)—Georgiously beautiful flowers of oriental red and gold coloring. Unusual variety, and strong grower. Each, 40c; 3 for \$1.00.

1005—ROSE GLORY (Decorative)—Massive deep rose pink borne on long stiff stems. Ideal for cut flower or exhibition purposes. One of the most popular Dahlias grown. Each, 25c; 3 for 60c.

1008—ORCHID BEAUTY (Decorative)—One of the most dependable of all Dahlias. A sturdy, vigorous grower. The flowers are a beautiful orchid shade, and are borne on long stout stems. One of the best keepers. Each, 30c; 3 for 75c.

1009—NATHAN HALE (Decorative)—A beautifully formed flower with a coppery pink center shading to gold at tips. Petal rolled so that the center ones resemble miniature trumpets. Flowers medium size, and of exquisite form and coloring. Each, 25c; 3 for 60c.

BUCHANAN'S DAHLIAS—Un-named Varieties

991—WHITE	993—PURPLE	995—YELLOW	997—BRONZE
992—RED	994—SALMON	996—PINK	998—LAVENDER

Each, 15c; 3 for 40c; 12 for \$1.25

999—BUCHANAN'S

DAHLIA COLLECTION

One bulb each of eight separate colors, unnamed varieties, for 95c, Post Paid.

1007—SPECIAL DAHLIA OFFER

One each Jersey Beauty, Ide Ver Warner, Mrs. Geo. Boutillier, Jane Cowl, Rose Glory, Omar Khayyam, for \$1.25, Post Paid.

POMPON DAHLIAS

Miniature form of Ball or Show type. Small, round flowers, less than 2 inches across, borne in greatest profusion. Especially fine for cut flowers and garden decoration. Dwarf, compact, branching plants. 25c each; 3 for 60c; 12 for \$2.00.

1010—Catherine—Pure yellow.

1011—Sunbeam—Brilliant red.

1012—Snowclad—Glistening white.

1013—Little Beauty—Soft pink.

1014—Dee Dee—Clear lilac.

1006—POMPON DAHLIA COLLECTION

One tuber of each of the 5 separate colors listed above for only 90c, post paid.



Fort Monmouth

MINIATURE DAHLIAS

Newest in the Dahlia family. The tiny blossoms are attractive as cut flowers and lend added charm in arrangements with larger flowers.

1016—BABY ROYAL—Min. Inf. Dec., the most popular of all miniatures. Salmon apricot color, excellent stems. Each, 25c; 3 for 60c.

1017—ORCHID LADY—Min. Dec., Pink orchid in color, free blooming. Each, 25c; 3 for 60c.

1018—SHIRLEY TEMPLE—Min. Dec., pure rich yellow. Each, 35c; 3 for 75c.

1019—BISHOP OF LANDOFF—Min. Dec. Dazzling scarlet. Strong plant, small bronzy foliage. Each, 30c; 3 for 75c.

1020—FAIRY—Min. Dec., light rose, tinted salmon. Each, 25c; 3 for 60c.

VITAMIN B₁

Don't fail to use Vitamin B₁ in your flower gardens. Most flowering plants and shrubs respond unbelievably. Produces stronger, hardier plants and flowers of amazing size.

Post Paid—40 tablets, 10c; 100, 25c; 250, 50c;
1 oz. liquid, 25c; 2 ozs., 50c.



Rose Glory



BUCHANAN'S CANNA BULBS

No other bedding plant will give the same uniform good results in our varied and trying climate. They do well in all sections of the country and stand pre-eminently at the head of the list, succeeding in any sunny position in any kind of soil, but responding quickly to liberal treatment. For best results the beds should be spaded two feet deep and a generous amount of well-decayed manure of any kind thoroughly incorporated, and at all times supplying water freely. Plant in large masses of one color, setting out tubers two feet apart.



Cannas

KREME-SKIN GARDEN GLOVES



Protect and beautify the hands. They are made of pliant lamb leather which is lastingly treated with skin softening cream, and can be washed repeatedly.

\$1.00 Postpaid

Small ... for 5½ to 6½
Medium ... for 6½ to 7½
Large ... for 7½ to 8½



Caladiums

All Prices on this Page Postpaid		3	12	25	50
950	CITY OF PORTLAND. A glowing pink, deeper in color than its parent, Mrs. Alfred F. Conard, and the flowers are borne in greater profusion; height, 3½ feet; foliage green.....	.40	1.25	2.25	4.00
954	HUNGARIA—Rose Pink. 4 ft. Strong grower with green foliage and very large, heavy heads of large flowers borne erect on stout shafts well above foliage. Considered finest pure pink in existence.....	.35	1.00	2.00	3.75
955	EUREKA. The best white Canna. A strong grower, with glossy green foliage. Compact plants and a splendid bedding variety. Height, 4 feet....	.45	1.50	2.50	4.50
952	YELLOW KING HUMBERT. A green-leaved sport of the popular King Humbert. It has the same habit of growth and free-flowering qualities, but the flowers are bright yellow and lightly spotted with red. The best yellow Canna now on the market. 5 feet.....	.35	1.00	2.00	3.75
951	KING HUMBERT. A brilliant orange-scarlet, with bright red shadings. Large trusses of blooms, the individual flowers being six inches in diameter. Foliage a rich reddish bronze with lighter shadings. The finest red foliage and flowering variety grown. Height, 5 feet.....	.35	1.00	2.00	3.75
953	THE PRESIDENT. Green foliage. Flowers bright glistening scarlet. The individual florets often measure seven inches across when open. The flowers are borne just high enough above the foliage to show the entire head. Height, 3½ feet.	.35	1.00	2.00	3.75
955A	COPPER GIANT. Immense heads of coppery red, suffused with deep rose and burnished copper. Green foliage, continuous bloomer. One of the best. 4 feet.....	.35	1.00	2.00	3.75
956	GEO. W. PARK (New). 2 feet, very dwarf, beautiful lily shaped blooms of Chinese red, a very unusual shade. Carries straight stems well above the green foliage. The first to bloom and continues until frost.....	.45	1.50	2.50	4.50
Buchanan's Collection of Canna Bulbs. One bulb each of eight named varieties.....		.75c			

Mammoth Caladium Bulbs

These are particularly fine for center of beds, giving a beautiful effect where Cannas and Scarlet Sage are planted on the outside borders. They are only the choicest and most select bulbs, producing the most massive effect with their foliage.

	Ea.	3	Doz.
957 Mammoth Size Bulbs.....	.55	1.50	5.40
958 Large Bulbs.....	.40	1.10	4.20
959 Medium Bulbs.....	.20	.50	1.50

Tuberoses

For flowering out of doors plant as soon as the ground becomes warm and then at intervals of 2 or 3 weeks until July 15 for a succession of bloom throughout the summer.

	3	6	Doz.
80 Single Everblooming. Erect, long spikes of white flowers, very fragrant.....	.25	.45	.75
90 Double Excelsior Pearl. Extremely double waxy flowers of intense fragrance.....	.25	.45	.75

FAIL BULBS

Narcissus and Holland grown Tulips, Hyacinths, Crocus ready for shipment about October 1st. Write for prices.



PLANTABS

Concentrated, Complete, Balanced Plant Food Tablets

Now contain Vitamin B₁ in proper, effective, measured amount; no odor, no mess. Always fresh and potent—ready for use and will produce startling results.

Post paid—30 tablets, 25c; 75, 50c; 200, \$1.00.



BUCHANAN'S FRUIT TREES

APPLE TREES

- 2 to 3 feet:** Each, 55c; **5 for \$1.75;** **10 for \$3.25;** **25 for \$7.50;** prepaid.
3 to 4 feet: Each, 70c; **5 for \$2.50;** **10 for \$4.75;** **25 for \$10.50;** prepaid.
Early Harvest—May and June. Medium size; pale yellow slightly acid; good quality. Ripens at a season when no other Apple is in.
Yellow Transparent—One of the best early market Apples, of medium size; skin yellow; flesh crisp and sub-acid; almost immune to blight.
Red June—Early. Medium size; dark red; white flesh; juicy, sub-acid; ripens over a long period; bears well and is a heavy cropper.
Yellow Horse—Late summer. Large size; yellow, slightly red where exposed to sunshine. One of the best cooking Apples; fills in between seasons.
Grimes Golden—Early winter. Large; golden yellow; of high quality. Tree vigorous; a heavy bearer.
Yellow Delicious—Early fall. Medium size. Splendid keeping qualities and the excellent flavor of red Delicious. Prolific bearer.
Double Red Delicious—Late fall. Fruit large, dark red, fine grained flesh, crisp and juicy and of high quality. A splendid shipper and prolific bearer.
Stayman Winesap—Winter. Larger and more prolific than the old Winesap. Rich, dark red; firm; fine grained and juicy; adapted to a wide range of soils and climates.
Jonathan—Fall. Good size, bright red, with a spicy, rich acidity that has made it a favorite with all apple lovers. Long lived, bears young.
Transcendent Crab—Late, hardy, heavy bearing, yellow with red cheek.

PEACH TREES

- 2 to 3 feet:** Each, 45c; **5 for \$1.50;** **10 for \$2.75;** **25 for \$5.75;** prepaid.
3 to 4 feet: Each, 60c; **5 for \$2.10;** **10 for \$3.60;** **25 for \$8.20;** prepaid.
Halehaven (Free)—New, early, yellow. Freestone. Fruit large, round like Hale with contrasting red and yellow color. Bears young and heavily.
Golden Jubilee (Free)—Fruit of Elberta shape and size, golden yellow, rich and syrupy. Ripens extra early. New Commercial variety.
Carman (Free)—Large; creamy white with deep blush; fine flavor; hardy in production; a good shipper; strong grower, and early bearer.
Indian Cling or Blood Cling—An old-time favorite wherever planted, and grows to a large size; dark red flesh; a deep red; highly flavored.
J. H. Hale (Free)—Larger than Elberta; ripens several days later; superior to Elberta in flavor; a beautiful golden yellow with deep carmine blush.
Heath Cling (White Heath, Cling)—Skin and flesh white, tinged with red; tender, juicy, and of high flavor. A wonderful Peach for canning and pickling.
Red Bird (Cling)—The best of the early peaches. Good size and flavor, white flesh, hardy, vigorous, productive. Excellent shipper.
Belle of Georgia (Free)—Very large; white with red cheek; firm and of excellent flavor.
Early Elberta (Free)—Very large; flesh yellow.
Elberta (Free)—A standard by which all other varieties are judged; very large; yellow with red cheek; flesh yellow, firm, juicy, of high quality.

PEARS

- 2 to 3 feet:** Each, 60c; **5 for \$2.00;** **10 for \$3.60;** prepaid.
3 to 4 feet: Each, 75c; **5 for \$2.70;** **10 for \$4.95;** prepaid.
Bartlett—Probably the most popular of all Pears. Large, juicy, yellow, sweet, and of high value for marketing or canning.
Kieffer—A money maker on account of its remarkably vigorous growth and early productiveness, its extraordinary size, splendid keeping and shipping qualities; excellent for canning and preserving.
Douglas—Larger than Bartlett, flesh fine grained, juicy and tender. Productive and blight resistant. Bears second year and a sure cropper.

CHERRIES

- 2 to 3 feet:** Each, 70c; **5 for \$2.50;** **10 for \$4.75;** prepaid.
3 to 4 feet: Each, 85c; **5 for \$3.35;** **10 for \$6.20;** prepaid.
Black Tartarian (Sweet)—Large, heart-shaped; purplish black; flesh tender, juicy, and fine quality. Tree an erect, beautiful grower and heavy bearer.
Governor Wood (Sweet)—Light yellow, extremely sweet, juicy, and of rich flavor. Tree vigorous and productive.
Large Montmorency (Sour)—Larger and finer than Early Richmond and ripens ten days later. Tree of rapid growth and a heavy bearer.
Early Richmond (Sour)—Extra early; bright red, very valuable for canning. Tree extremely hardy and productive. The earliest pie cherry available.

PECANS

- 2 to 3 feet:** Each, \$1.10; **3 for \$3.00;** **6 for \$5.70;** prepaid.
3 to 4 feet: Each, \$1.25; **3 for \$3.50;** **6 for \$6.50;** prepaid.
Stuart—Most popular variety. Nuts very large, shell medium thin. Heavy bearer.
Schley—Nuts large, shell very thin. Very best quality pecan. Kernels full, plump and rich flavored.
Success—Shell and partitions thin. Kernels large, sweet and of excellent quality. Heavy bearer.



Stayman Winesap Apple

APRICOTS

- 3 to 4 feet:** Each, 80c; **5 for \$3.00;** prepaid.
Moorpark—Medium to large; pale yellow, with orange cheek; for canning or drying.
Ea. Golden—Pale orange-yellow; juicy and highly flavored.

FIG BUSHES

- 2 to 3 feet:** Each, 60c; **5 for \$2.25;** prepaid.
Brown Turkey—Fruit medium to large, pear-shaped, coppery brown skin with white or yellowish tinted flesh. Most popular variety.
Celestial—Small, violet colored. Very prolific, sweet and of excellent quality.
Texas Everbearing—Fruit large, pale violet, flavor excellent. Rapid growing, heavy bearing on first year stem.



Elberta Peach

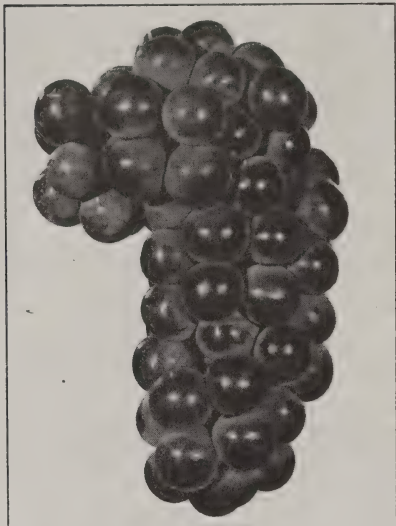
PLUMS

- 3 to 4 feet:** Each, 80c; **5 for \$2.95;** prepaid.
Abundance (Japanese)—Medium to large; bright red overlaying a yellow ground; cling. Strong, thrifty, upright grower, early and prolific.
Burbank (Japanese)—Large; mottled red and yellow; good quality; cling. Immense bearer.
Red June (Japanese)—Medium to large; deep red; handsome bloom; quality good; good shipper; ripens a week earlier than Abundance.
Wild Goose—One of the best known of all the Plums; large, deep red when ripe, good quality, very juicy. One of the best native varieties, ripening earlier than the Japanese sorts.
Shropshire Damson—Medium size; dark purple flesh; grown largely for preserving purposes.



BUCHANAN'S RASPBERRIES

All Prices on This Page Prepaid Except Shade Trees. Prices—6, 60c; 12, 90c; 25, \$1.45; 100, \$4.65.



Fredonia Grape

Set 5 feet apart each way. Plant 2 or 3 inches deeper than they were in the nursery. After fruiting, cut old canes and burn, leaving 5 to 6 vigorous new ones to grow for fruiting the following year. In the spring, cut off the top 12 inches or possibly more of the previous season's growth to strong, well-ripened wood.

Latham—Finest, most productive commercial red raspberry. Long season.

St. Regis—Sometimes called "Everbearing." Berries bright crimson, large; ery prolific, and of excellent flavor.

Cumberland—The most desirable of the black raspberries.

THORNLESS YOUNGBERRY

This delicious, quick and heavy bearing, vigorous growing cross between Loganberry and Dewberry, is even larger than the Loganberry. Purple black in color and deliciously flavored. Plant 4 by 8 feet apart and cover roots 1 inch.

Price—6, 75c; 12, \$1.25; 25, \$1.85; 100, \$5.65

BOYSEN BERRIES

Plant 4 feet apart in rows 8 feet across. You can grow from 10 to 30 plants from each plant set. Many claim 50 to 65 plants.

Thornless—This great berry is without a thorn, which means much in handling. It ripens a week ahead of the thorny type which gets your berries on the market while prices are higher. The berries themselves are identical and their remarkable and delicious flavor is unsurpassed. They will average 1 inch in diameter and 1½ inches long. The plants are very sturdy and hardy.

Price—6, 90c; 12, \$1.60; 25, \$2.85; 100, \$9.25

Thorny.

Price—6, 75c; 12, \$1.20; 25, \$1.60; 100, \$5.65

GRAPE VINES

TWO YEAR VINES—Each, 25c; 6, \$1.00; 12, \$1.80; 25, \$3.25.

Fredonia—Earliest, finest black grape known; heavy fruiter.

Concord—Fruit dark purple, nearly black; extra large and very sweet.

Niagara—The most valuable white grape. Bunch and berry large.

Delaware—Red, rather small, juicy, sweet; best table grape.

Moore's Early—Desirable early black grape.

SCUPPERNONGS

The Scuppernong or Muscadine type grape is distinctly Southern.

TWO-YEAR VINES—Each, 70c; 5, \$2.60; 10, \$4.50; post paid.

Scuppernong—Very large, bronze fruit; very sweet; grown in clusters.

James—Large, black Scuppernong; delicate flavor.

Thomas—Medium size, round, dark, fine color. Highest in sugar content.

STRAWBERRY PLANTS

Set after frost in fall or before growth begins in spring; rows 3½ feet apart, 15 inches in rows, for field culture; 15 inches each way for garden. Cultivate clean, mulch late in fall. Remove mulch after fruiting and spade in light dressing of manure. About 7,000 plants an acre.

Mastodon Everbearing—The best everbearing strawberry yet introduced. A heavy yielder—both spring and fall—of large, luscious, moderately firm berries. It blossoms late, thus avoiding danger of frost, and ripens its crop midseason. It is disease and drouth resistant.

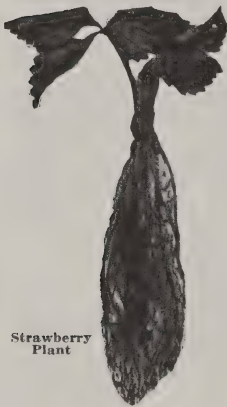
Price—100, \$1.25; 250, \$2.90; 500, \$5.50; 1,000, \$10.00

Yellow-Free Blakemore—Early—Solid—Productive—For shipping and home use. Grown more extensively than any other variety.

Improved Klondyke—The old standard shipping variety.

Aroma—Large late berry, bright red—fine for long distance shipping.

Price—100, \$1.00; 250, \$2.00; 500, \$3.00; 1,000, \$4.50



Strawberry Plant



Boysen-Berry

FLOWERING SHRUBS

All strong 2-year plants—Each, 55c; 3 for \$1.25; 6 for \$2.25

ABELIA—Foliage small, dark green; flowers pinkish-white.

ALMOND—Rose-like flowers of pink or white.

ATHEA—White, red, blue or purple.

JAPANESE BARBERRY—Foliage turns red and bronze in the fall.

Red berries.

BEAUTY BUSH—Flowers deep pink, very ornamental.

BUTTERFLY BUSH—Lilac colored flowers.

CALYCANTHUS—Chocolate colored flowers, very fragrant.

CORALBERRY—Low growing, spreading shrub, red berries.

CREPE MYRTLE—White, red, pink or purple.

DEUTZIA, PRIDE OF ROCHESTER—Double white flowers, tinted pink.

FORSYTHIA—Golden yellow bell shaped flowers.

HONEYSUCKLE, BUSH—White flowers in early spring, followed by red berries.

HONEYSUCKLE, BUSH—Pink flowers, one of the best.

HYDRANGEA, A. G.—Large, white flowers in early spring.

HYDRANGEA, P. G.—Pure white flowers borne in large panicles.

JASMINE, NAKED FLOWERING—Bright green, yellow flowers.

LILAC—Purple or white.

QUINCE, FLOWERING—Bright red flowers in early spring.

SNOWBALL, COMMON—Large ball-like flowers of pure white.

SPIREA, DWARF WHITE—White flowers borne in flat clusters.

SPIREA, PINK—Dwarf habit of growth, pink flowers.

SPIREA, CRIMSON—Dwarf shrub with crimson flowers.

SPIREA, BRIDAL WREATH—White flowers on graceful branches.

SNOWBERRY—Small shrub, arching branches. White flowers followed by clusters of white berries.

WEIGELA, ROSEA—Deep pink flowers on drooping branches.

HARDY CLIMBING VINES

BOSTON IVY—Greatest clinging vine. Fast grower.

SILVER CREEPER..... Each, 50c; 3 for \$1.25

VIGINIA CREEPER..... Each, 70c; 3 for 1.75

WISTERIA..... Each, 45c; 3 for 1.00

WISTERIA—Purple..... Each, 45c; 3 for 1.00

CLEMATIS, JACKMANI..... Each, 70c; 3 for 1.75

CLEMATIS, HENRY I.—White, large..... Each, 70c; 3 for 1.75

GOLDFLAME HONEYSUCKLE..... Each, 65c; 3 for 1.50

Rose, red and gold..... Each, 65c; 3 for 1.50

ORNAMENTAL AND SHADE TREES

Express Collect

TREE WISTERIA—Chinese Purple..... Each, \$1.25

RED BUD—3-4 ft...... Each, 80c

FLOWERING PLUM—1-1 ft...... Each, 85c

FLOWERING CRAB—1-5 ft...... Each, 85c

FLOWERING PEACH—Red, white or pink..... Each, 65c

CHINESE PLUM—3-4 ft...... Each, 60c

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

FUNK'S G HYBRID SEED CORN

*Treated with Semesan Jr.***"Bred to Beat the Elements"****Increases Yields 15 to 25 per cent.**

**FUNK'S
G HYBRIDS**
due to their deeper
root system and
stronger stalks,
eliminate the loss
from blowing down
and rotting
after mature



**FUNK'S
G HYBRIDS**
lead open pollinated
corn in yields of
grain and fodder
and in resistance to
disease, insects and
adverse weather
conditions

Funk's G Hybrid**Open Pollinated Corn**

These baskets of corn show the actual proportional yield per acre in a 3 year test on the same farm. Funk's G Hybrid produced an average of 52 Bu. per acre and the open pollinated yielded an average of only 38 Bu. per acre, an increase of over 35%. Grower's name furnished on request.

Post Paid through 3rd zone only—Any Hybrid— $\frac{1}{2}$ gal., 95c; gal., \$1.65; pk., \$2.75;
 $\frac{1}{2}$ bu., \$5.25; 1 bu., \$9.95.

G-244 Prolific, yellow, early maturity

A medium height hybrid that carries two ears of excellent grain qualities at waist height, on a good stalk that stands up well. This is one of the finest hybrids for use over a wide variety of soil types and fertility levels. You will find G-244 consistently in the upper bracket in a wide range of yield tests. G-244 has unusual resistance to insects which has contributed to its fine record during the past several years. Probably no other hybrid is so well adapted to early and late planting on all soils which afford adequate moisture.

G-46 Semi-prolific yellow, medium early

This is a medium to tall hybrid carrying 60% two ears on rich land. Ears of exceptional grain value at chest height and has a high degree of resistance to heat, drought, chinch bugs, grasshoppers and root worm. Its outstanding performance record in this territory has proven this hybrid one of the best. Adapted to all good corn soils.

The five Hybrids we offer have proven by actual farm test that they are adapted to the South.

Pay your taxes, like many progressive farmers are doing, with increased yields from Funk's G Hybrids.

Leave Hybrid Corn stand one-fourth to one-third thicker than open pollinated varieties. Cultivate Hybrid like any other corn. Although Hybrids increase yields on both poor and rich land, no corn will show a profit on poor land unless fertilized.

G-125 semi-prolific yellow, medium late **Not for Arkansas**

A heavy yielding, vigorous growing hybrid adapted to the Central South. Ears are medium large, of high feeding value and high shelling percentages. Drought, chinch bug and root worm resistance contribute to its excellent performance record under varying conditions. In many tests G-125 has demonstrated its adaptation to varying soil conditions and is especially suited to the area east of the Mississippi River.

G-703 Prolific, yellow, full season

This new hybrid developed largely from native southern corns is producing almost phenomenal yields and shows adaptation to all types of soils. Its almost perfect shuck coverage affords considerable resistance to weevils and other pests. Funk's G 703 will probably produce more on medium rich corn land than any other hybrid we offer and, almost without exception, it will yield tremendously when fertilized.

G-527W, single-eared, white, medium late

A rapid growing white hybrid which has had an exceptionally fine yield record. Its drought and insect resistance, sturdy stalks, and its high yields have made it a top ranking white hybrid in every respect. The medium long, uniform ears are deep grained and provide the best quality roasting ears and milling corn adapted to high fertility soils.



Difference in Root Growth. Right, Funk's G Hybrid. Left, Open Pollinated

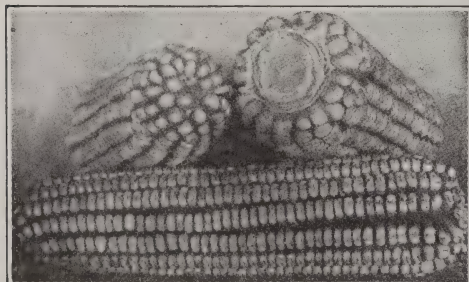


BUCHANAN'S SEED CORN

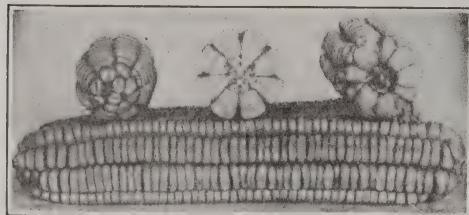
All prices on this page post paid through Third Zone only. Prices not prepaid—see Yellow Price List enclosed. Many times you can save money by buying 100 pounds or more of corn and other field seed, shipping same by freight.



Paymaster



Silvermine



Hickory King

1125—NEAL PAYMASTER (About 100 days)—Originated in Middle Tennessee, where the natural fertility due to abundance of phosphate and other necessary elements makes it ideal for producing a more potent type of seed corn. Due to its natural vigor and heavy yields it has been a corn by which others were judged for years in tests over the South. Paymaster is suited for both lowlands and good uplands. Produces a medium tall stalk with usually two well filled ears 8 to 9 inches long, broad white grains on a bright red cob—Planted thick it will produce a heavy tonnage of ensilage. On good land it has been the heaviest yielding open pollinated corn for a quarter century.

Price— $\frac{1}{2}$ gal., 45c; 1 gal., 75c; peck, \$1.25; $\frac{1}{2}$ bu., \$2.15

1126—TENNESSEE RED COB (About 120 days)—An extra large white field corn; grains long, broad and evenly lined on large red cob. The ears are 9 to 12 inches long, stalks tall, making it an ideal ensilage corn. Rather late maturing, but for bottom land and main crop this corn cannot be excelled. This is one of the largest grain, greatest yielding and best milling corns for rich land.

Price— $\frac{1}{2}$ gal., 45c; 1 gal., 75c; peck, \$1.25; $\frac{1}{2}$ bu., \$2.15

1129—SILVERMINE (About 100 days)—Medium large, very uniform ears, 8 to 10 inches; deep grain and prolific. Stalk is sturdy and large, 8 to 10 feet tall; blades wide and vigorous, giving plenty of forage. The best early white cob, white corn adapted to Southern soils and climate. Excellent for feed and milling. Although usually considered 110 day corn, our seed, coming from further north, will frequently produce hard corn in 90 days if weather conditions are favorable.

Price— $\frac{1}{2}$ gal., 40c; 1 gal., 70c; peck, \$1.20; $\frac{1}{2}$ bu., \$2.00

1132—HICKORY KING (About 110 days)—This is an entirely distinct variety among the white corns, combining the largest grain with the smallest cob. Ears fill out well and will make more shelled corn to bulk of ears than any other variety. It is good for roasting ears to follow Early Surprise; makes splendid quality of corn meal.

Price— $\frac{1}{2}$ gal., 50c; 1 gal., 80c; peck, \$1.30; $\frac{1}{2}$ bu., \$2.25

1136—MOSBY'S PROLIFIC (About 120 days)—The most prolific white cob, white corn for the South when planted on rich land. The stalks are tall, bearing 3 to 5 fine ears. The grains are long, set close to a small white cob, very uniform in shape, well filled. It has strong roots and is considered the most storm and drouth resistant open pollinated corn.

Price— $\frac{1}{2}$ gal., 45c; 1 gal., 75c; peck, \$1.25; $\frac{1}{2}$ bu., \$2.15

STATE CERTIFIED SEED CORN

The certification of seed corn is supervised by disinterested state authorities and is produced under very rigid regulations. Grown from superior strains that were bred many years for highest yield, purity, resistance to disease and strength of stalk. The Crop Improvement Association inspects each field to see that it is isolated from other varieties to prevent crossing. After harvest the ears must be hand selected, true to type, sound, and normal germination. State tests show that certified seed yields more than uncertified. The additional cost of a few cents an acre to plant certified strains will pay you back in dollars at harvest time. This insures certified corn to be the highest quality it is possible to buy.

1140—CERTIFIED NEAL PAYMASTER (100 days)—Securing pure bred seed is the first step in producing a uniform heavy yielding corn crop. Since certified seed is a continual process of selection it results in constant improvement. Don't fail to plant your best corn land to our Certified Paymaster for maximum yields.

1141—CERTIFIED GOLDEN JARVIS PROLIFIC (90 days)—All of our Certified Jarvis is taken from stalks having 2 good ears or more to insure transmitting its prolific characteristic. Plant your medium rich and upland in this most carefully selected seed corn. Price, either variety— $\frac{1}{2}$ gal., 60c; 1 gal., 90c; peck, \$1.45; $\frac{1}{2}$ bu., \$2.50

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS****BUCHANAN'S SEED CORN**

All Prices on This Page Post Paid Through Third Zone Only
 Prices Not Prepaid—See Yellow Price List Enclosed

1131—TENNESSEE YELLOW PAYMASTER (100 days)—A new, heavy yielding, yellow corn adapted to the Central South. The University of Tennessee developed this excellent corn by first crossing Jarvis Prolific and Neal Paymaster. Then by crossing back with Neal Paymaster for a number of years, eliminating most of the Jarvis characteristics, except the yellow color, this very prolific corn was developed which has all the desirable characteristics of Neal Paymaster. In many tests over this state Tennessee Yellow Paymaster has consistently produced higher yields than any other yellow corn. It is probably no better than Jarvis for thin land, but on rich land, well adapted to producing corn, it is certainly a most desirable corn to plant. Stalks medium height, strong, nearly all bear 2 ears 7 to 8 inches long; not flinty, but medium soft, with little or no faulty grains.

Price— $\frac{1}{2}$ gal., 50c; 1 gal., 80c; peck, \$1.30; $\frac{1}{2}$ bu., \$2.25

1142—REID'S YELLOW DENT (About 110 days)—Has probably won more championships in the corn belt than any other variety. It is medium early, large eared and semi-prolific. It is well adapted to the Mid-South if planted on good, rich corn land. It has large, beautiful, show-type ears, 10 inches long; 18 to 20 straight rows of deep grain, closely wedged together on a medium sized red cob. Tip and butt completely filled out. The best early yellow dent.

Price— $\frac{1}{2}$ gal., 40c; 1 gal., 70c; peck, \$1.20; $\frac{1}{2}$ bu., \$2.00

1144—JARVIS GOLDEN PROLIFIC (About 90 days)—A yellow prolific corn with husk covering the ears so completely and tightly that it is practically impossible for any bird or weevil to get to the corn in the field. It produces firm ears always sound and the stalks are strong and storm resistant. Resists drouth remarkably well, produces two good, medium size ears to the stalk and is very desirable for a yellow roasting ear corn. The heaviest yielding corn on upland.

Price— $\frac{1}{2}$ gal., 40c; 1 gal., 70c; peck, \$1.20; $\frac{1}{2}$ bu., \$2.00

1139—LARGE YELLOW DENT LEAMING (About 115 days)—A most popular large-eared variety of yellow corn for rich bottom land; produces a medium tall stalk with ears of uniform size and shape, 10 to 12 inches long, with 14 to 18 straight rows of yellow kernels on a medium sized red cob, and ears are well filled out over tip. Is drouth resistant and an excellent main crop variety.

Price— $\frac{1}{2}$ gal., 40c; 1 gal., 70c; peck, \$1.20; $\frac{1}{2}$ bu., \$2.00

1134—MEXICAN JUNE, NATIVE GROWN (About 90 days)—It is a great drouth resister and usually, if there is enough moisture for it to get a fair start, a crop is assured. Early maturing and semi-prolific, averaging more than one ear to the stalk. Ears 8 to 9 inches long, grains short to medium, cobs medium in size, and while usually white, red cobs are often found. Ears have mostly white grains, but dark blue and red grains often appear.

Price— $\frac{1}{2}$ gal., 50c; 1 gal., 80c; peck, \$1.30; $\frac{1}{2}$ bu., \$2.25

141—EARLY SURPRISE (Hard corn in 90 days)—This Northern grown, early maturing white corn is perfect to plant for quick feed crop. It is prolific producing medium long ears ideal for roasting ears or stock feed. Planted early and cut green you can grow 2 crops a season on same ground.

Price—Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 40c; $\frac{1}{2}$ gal., 55c; 1 gal., 90c; Peck, \$1.55; $\frac{1}{2}$ bu., \$2.60.

137—TRUCKERS FAVORITE (Hard corn in 90 days)—While usually planted for roasting ears, it is used freely by dairymen and stock raisers for quick feed planted either early or late. This is a prolific, rather deep grained white corn; medium size ears.

Price—Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 40c; $\frac{1}{2}$ gal., 55c; 1 gal., 95c; Peck, \$1.60; $\frac{1}{2}$ bu., \$2.65.

POPCORN

CULTURE—For field planting rows should be about 3 feet apart. Thin to 1 stalk about every 8 inches in row.

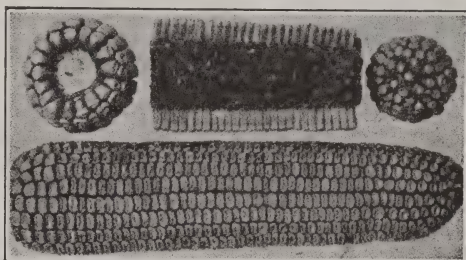
34—DYNAMITE—A vigorous grower, 6 to 8 feet tall, producing 2 and often 3 ears, 8 to 9 inches long, with deep orange kernels, smooth and round, which pop double the size of others. When popped it is rich creamy yellow, crisp, tender, deliciously flavored and no hard centers.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., 95c

ALL SEED CORNS SHOULD BE TREATED WITH SEMESAN, JR. This treatment hastens and increases germination, increases the yield, protects corn from rotting, allows earlier planting, produces sturdy plants, controls seeding blight and reduces root rot.



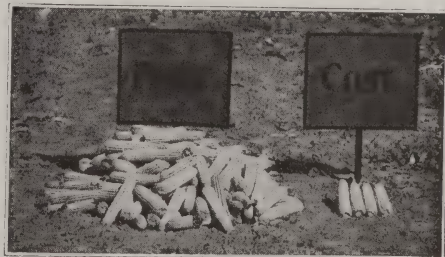
1131—Tennessee Yellow Paymaster



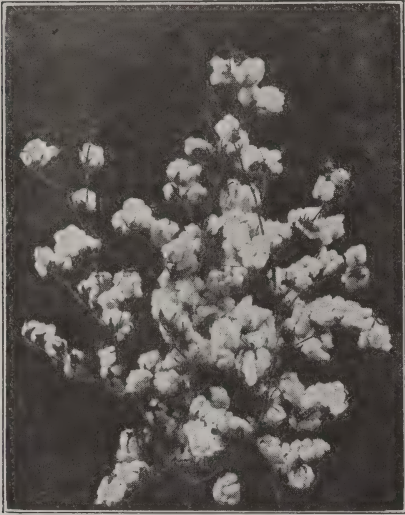
1139—Large Yellow Dent



1144—Jarvis Golden Prolific



New Improved Semesan Jr. increased the yield on the average 3.55 bushels per acre. Only 4 ears, or 3 1/2 pounds of corn required to pay for this increase in yield when corn is selling at 64c a bushel. See page 68.



D&PL 12

FARMER YIELDS IN 1942 PROVED

THIS NUMBER IS

A VASTLY IMPROVED TYPE

of

THE LONG POPULAR

DELTAPINE COTTON

WE ARE EXCLUSIVE DISTRIBUTORS FOR D & P L 12 GROWN ON SYCAMORE BEND PLANTATION

The Delta and Pine Land Company has never offered a new variety or strain of cotton to the public until it was thoroughly tested in most of the Cotton Belt under a wide variation of soils and climatic conditions. Before final approval it must produce a high percentage of lint, satisfactory staple, and show good spinning quality.

Prior to 1942 experiment station tests showed D. P. L. 12 to be a most promising cotton and in 1942 tests on both farms and experiment stations established it as leading most other cottons in its staple class in productiveness, lint turn out, disease resistance and early maturity.

Our D.&P.L. 12 was grown on the Sycamore Bend Plantation at Hughes, Arkansas, and it is the only variety of cotton ginned on their private gin. THEY DO NOT GIN FOR THE PUBLIC.

Sycamore Bend Plantation secures their planting seed each year from the originator and by planting only one variety and ginning their cotton only, it is not mixed in any way. Since cotton cross pollinates very little if any, their seed are, from every standpoint, comparable to the originators.

The following figures show accurate results on one 20-acre plot for six years which is representative of the entire plantation. Note the average value per acre, keeping in mind prices of the lint cotton and the seed.

Year	Seed	Yield Per Acre	Acres	Cotton Produced Lbs.	Price	Cotton Value	Seed Produced Lbs.	Seed Per Ton	Seed Value	Total Value	Average Value Per Acre
1936	A popular staple cotton..	543	20	10,878	\$12.50	\$1,359.75	21,975	\$43.19	\$474.55	\$1,834.30	\$91.71
1937	A popular staple cotton..	695	20	13,915	7.80	1,085.37	15,894	20.00	158.94	1,244.31	62.21
1938	A popular staple cotton..	764	20	15,283	10.10	1,543.58	32,782	25.00	409.77	1,953.35	97.66
1939	D. P. L. 11-A.....	998	20	19,962	9.00	1,796.58	31,093	20.00	310.93	2,107.51	105.37
1940	D. P. L. 11-A.....	995	20	19,896	10.75	2,138.82	32,460	25.00	402.00	2,463.40	123.17
1941	D. P. L. 12.....	1015	20	20,306	16.50	3,350.49	32,170	50.00	804.25	4,154.74	207.73

This land cleared during the winter of 1935-1936. Has never had cover crop or commercial fertilizer.



R.B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS



Field of Stoneville 2-B Cotton on Weilenman Plantation

THESE SEED ARE STATE CERTIFIED. TAKE NO RISK—PLANT CERTIFIED SEED ONLY.

STONEVILLE 2B COTTON SEED

WE ARE EXCLUSIVE DISTRIBUTORS FOR STONEVILLE 2-B GROWN ON THE WEILENMAN PLANTATION

Several years ago when the cotton acreage was reduced it became necessary to produce a variety which would yield more on less acreage and at less expense in order for the farmer to realize a legitimate profit. One plant breeder's answer to the farmers prayer was Stoneville 2-B Cotton. It is an early maturing, big boll, easily picked cotton and there are no records available showing that any other variety or strain of cotton has ever so consistently ranked high in as many tests under as many different soil and climatic conditions as has Stoneville 2-B.

Every year since the Weilenman plantation started growing Stoneville 2-B Cotton when it was first increased on their plantation they have averaged a bale or more to the acre, in spite of the fact that they have never poisoned to control the cotton insects. Stoneville 2-B is generally early enough in maturity to evade damage of insects.

The entire acreage on which these seed were produced was carefully inspected for Wilt, Anthracnose, Varietal Purity, Trueness to Type by Mississippi State Crop Improvement Association and Mississippi State Plant Board, both of State College, Miss.

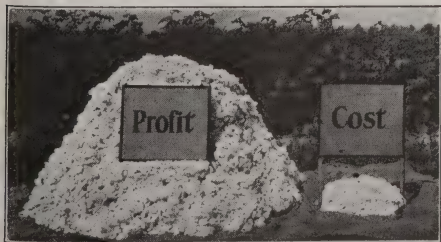
This seed is ginned on a new \$30,000.00 gin with special seed saving vacuum which eliminates light and faulty seed, and is sacked in sealed bags at the gin.

All seed are machine de-linted, and treated with Ceresan, which means they will go much further in planting and give much improved stands.

The plant is medium vigorous, spreading and prolific and produces large bolls, 60 to 70 per pound of seed cotton.

Stoneville 2-B is one of the few early maturing big boll cottons. The bolls open well and the percentage of five lock bolls is large.

In valley lands the staple runs 1 1/16 to 1 1/8 inch and on high land 1 to 1 3/32 inch. The lint percentage in valley lands is 34 to 36% and on high land 35 to 38%.



INCREASE cotton returns by planting seed treated with 2% CERESAN. Official tests show average yield increases ranging from \$6.30 to \$13.08 an acre! To give such results, 2% CERESAN reduces seed rotting and damping-off, makes stands more uniform, controls certain seed-borne diseases. Be sure your seed has this protection! If you do not buy our State Certified Ceresan treated cotton seed, then be sure to treat your own seed with profit producing Ceresan.

Post paid—1 lb., 85c; 5 lbs., \$3.50; 25 lbs., \$14.95. At Store—1 lb., 75c; 5 lbs., \$3.30; 25 lbs., \$14.50; 100-lb. drum, \$52.00.

SEE PRICES ON THE YELLOW SHEET.



Mowing Alfalfa

ALFALFA SEED—VERIFIED ORIGIN

Post Paid Prices on This Page Through Third Zone Only. Quantity Prices on Yellow Price List Enclosed.

ALFALFA PRODUCES MORE FEED THAN ANY OTHER CROP

The yield should be more than three tons per acre where there is abundant rainfall and a long growing season.

Alfalfa and corn fed together make a good ration for all live stock—Alfalfa belongs on every farm—for hog pasture, hay for the dairy herd, family cow or chickens. For sheep and beef cattle, no other roughage is equal to alfalfa hay.

When comparing alfalfa with other crops, remember one sowing of alfalfa may last five years.

Alfalfa should be sown in the spring as soon as there is no danger of freezing weather or early enough in the fall to permit the plants to become well established before winter sets in. Sow 20 to 30 pounds per acre. Except under very favorable conditions, alfalfa should be sown without a nurse crop.

Alfalfa should be cut for hay when the plants are well in bloom.

FERTILIZER AND SEED SOWER

The Combination Sower also broadcasts all kinds of seed, such as clover, timothy, millet, lespedeza, sudan grass, alfalfa, wheat, etc., perfectly in desired amounts per acre. Convenient for applying fertilizer or seed on fairways, greens, parks, lawns, etc. At Store, \$4.00; post paid, \$4.25.

"CYCLONE" SEED SOWER

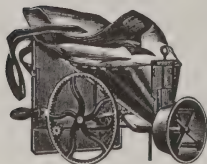
Guaranteed to sow perfectly even all varieties of farm seeds such as clover, timothy, red top, alfalfa, lespedeza, sudan grass, oats, rye, millet, wheat, buckwheat, turnip, lawn grass, etc., and can be regulated to sow any amount per acre. This machine is strongly built and mechanically perfect. The bag holds about one-half bushel. It is easily operated.

At Store, \$2.75; post paid, \$3.00.

CAHOUN SEED SOWER

This sower has been known and recognized as standard equipment in all parts of the world for 60 years, sows all kinds of grain and grass seed four to eight acres per hour. Bag and hopper hold 22 quarts; two gates govern the quantity of seed used very closely, preventing waste.

At Store—\$5.00; Price post paid, \$5.35.



1050—KANSAS ALFALFA—Seed grown in Kansas has been for many years very popular and planted freely over the entire South. Kansas pioneered in alfalfa production and seed from this area, having withstood the extremely rigorous climate of this state, is certainly well adapted to planting in the Central South. Kansas grown seed yields an abundance of forage and if properly cared for will produce profitably for a number of years.

Post paid—1 lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.75

1051—DAKOTA 12 ALFALFA—This variety is the result of years of careful selection and is practically immune to winter killing. Probably yields a little less tonnage than seed produced farther south, but is a stronger, hardier type.

Post paid—1 lb., 80c; 5 lbs., \$3.60; 10 lbs., \$6.95

1068—OKLAHOMA ALFALFA—As compared to many other alfalfa seed producing sections Oklahoma is probably the most recently developed. Since this is the case these fields are practically disease free and there is an absence of weeds injurious to alfalfa production found in areas that have been planted in alfalfa for many years. The State of Oklahoma has a very varying climate—extreme cold in winter and intense heat in summer. Heavy rainfall is not uncommon and extreme drouth is experienced almost annually. Because the plants are subjected to such weather adversities they are extremely hardy. For these reasons Oklahoma seed has proven perfectly adapted to this area, and since it affords three to five abundant cuttings a year it is rapidly replacing seed from other sources.

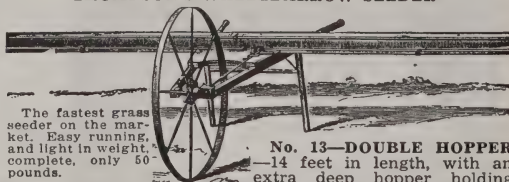
Post paid—1 lb., 65c; 5 lbs., \$2.85; 10 lbs., \$5.35



Inoculate All Alfalfa with Nitragin

THE HORN SEED SOWER

Will sow any fine seed like clover, lespedeza, timothy, alfalfa and grasses. Each, 95c; parcel post paid, \$1.05.

THOMPSON'S WHEELBARROW SEEDER

The fastest grass seeder on the market. Easy running, and light in weight, complete, only 50 pounds.

No. 13—DOUBLE HOPPER—14 feet in length, with an extra deep hopper, holding much more seed than the average wheelbarrow seeder. Does not have to be refilled so often. Best for sowing lespedeza seed and alfalfa, clovers, millet, timothy, grasses, etc. Chain feed.

At Store—Each, \$19.75



Red Clover in Blossom

For Best Results with All Clovers Inoculate the Seed
All Prices on This Page Post Paid Through Third Zone Only
Prices Not Prepaid—See Yellow List Enclosed

1053—RED CLOVER (Medium Red Blossom)—Red Clover not only furnishes excellent pasturage and abundant hay crops, but enriches the land and adds humus to the soil. It is second in food value only to alfalfa. It makes two or more cuttings of hay each season, and can be sown alone or in combination with other clovers and grasses. Sow seed during the spring or fall at the rate of 8 to 12 pounds to the acre.

Price—1 lb., 60c; 5 lbs., \$2.45; 10 lbs., \$4.65

1055—ALSYKE CLOVER (Delicate Pink Blossom)—This is one of the hardiest varieties known. It is perennial and does not winter kill. It will do better on moist land than any other variety of clover, and is suitable for either hay or pasture. When sown with grasses, it forms a thick undergrowth and greatly increases the yield. It is frequently sown both with Red Top Grass and Timothy, and the quality of hay thus produced is excellent. It is fine-stemmed and leafy, and thus is quickly cured. Sow alone for hay or pasture 5 to 8 lbs. per acre. An excellent hay or pasture mixture on low, wet land is Alsike 5 lbs., Red Top 5 lbs., Timothy 6 lbs.

Price—1 lb., 60c; 5 lbs., \$2.60; 10 lbs., \$4.90

1057—SWEET CLOVER (White Blossom)—There is probably no crop that will improve soil fertility as fast as Sweet Clover and it will grow on any type of soil, provided it is well limed and inoculated. It grows two years from one seeding and no other plant will furnish as much nutritious grazing per acre as sweet clover; or, it will produce two heavy cuttings of hay the first year, one the second year and a seed crop. Sow 15 to 20 pounds to the acre.

Price—1 lb., 35c; 5 lbs., \$1.30; 10 lbs., \$2.35

CROTALARIA

A legume that frequently produces 30,000 pounds of green manure per acre. When turned under the cash value of the nitrogen is estimated at \$20.00 per acre, besides the untold value of humus which prevents erosion, holds water in sandy soil and opens up heavy soil. Yields of following crops are frequently doubled. Completely smothers out summer weeds. Grows well on any soil. Crotalaria probably will make more growth on sandy and light poor soil than any other legume. Requires no lime, fertilization or cultivation, although early cultivation pays. Sow 15 to 20 pounds per acre broadcast or 5 pounds in rows after danger of frost. Our seed is scarified and germinates readily. **SHOULD BE INOCULATED. TAKES SAME INOCULATION AS COW PEAS.**

1270—EARLY CROTALARIA—Most desirable for planting in upper South since it grows more rapidly. Should be used more as a catch crop after oats or sown just before the last cultivation of corn, cane or cotton in the central and lower South.

Price—1 lb., 35c; 5 lbs., \$1.10; 10 lbs., \$2.00

1271—LATE CROTALARIA—Although it makes about a foot more growth than any other Crotalaria, averaging 7 feet high, and will yield 15 or more tons of green manure per acre, does not make its maximum growth as quickly as the early type. This strain should be used in all cases where early planting is possible.

Price—1 lb., 35c; 5 lbs., \$1.10; 10 lbs., \$2.00

1066—HOP CLOVER (Yellow Blossom)—Grows about 6 to 8 inches high. Its growing season is from very early spring until early summer. Especially valuable for pasture when sown very early with Japan Clover on Bermuda sod or with any grasses, clovers or mixtures which do not make a heavy early spring growth. It is the earliest and fastest growing clover adapted to Southern soils and climates. Sow 4 to 5 pounds alone or 2 pounds to acre in mixtures.

Price—1 lb., 75c; 5 lbs., \$3.00; 10 lbs., \$5.50

1056—WHITE DUTCH CLOVER (White Blossom)—Will grow on almost any soil. Largely used for sowing on lawns, mixed with Kentucky Blue Grass and other grass seeds, and is very valuable because it supplies nitrogen to the soil, thereby aiding other plants in the sod and building up soil fertility. Furnishes abundant early and late fall grazing and should be used in all permanent pastures. Sow in fall or early spring.

Price—1 lb., \$1.05; 5 lbs., \$4.75; 10 lbs., \$9.00

1060—CRIMSON CLOVER (Scarlet Blossom)—Succeeds on almost any good soil. Don't fail to sow your Lespedeza and Bermuda sod to this winter annual at the rate of 20 pounds per acre in October without any preparation. It will furnish an abundance of late winter and early spring grazing. Sown at the rate of 15 pounds per acre on a prepared seed bed any time after August 15th and up to October 1st, or can be sown in early corn, covering shallow, during August, using 15 pounds to the acre. Crimson Clover furnishes good hay and adds fertility to the soil.

1062—GIANT SOUTHERN BUR CLOVER—Seed should be sown broadcast on a prepared seed bed, 100 pounds per acre, or in cotton middles, using 50 to 60 pounds per acre. Cover shallow. Sow in July, August, September, or, in lower South, October. You will find this a splendid crop to grow for soil building. Bur Clover and Bermuda Grass make a splendid combination for permanent pasture which is excellent for all livestock. Bur Clover will grow on almost all types of soil and can be depended on to add humus and nitrogen to the soil annually without sacrificing the regular summer crop, and is one of the cheapest legumes that serve as a winter cover crop. If it is allowed to mature a crop of seed before plowing under it will resseed itself for a number of years. Unexcelled as a soil building legume.



Single Plant Bur Clover



BUCK BRAND TESTED SEEDS



GRASS SEEDS FOR LAWN, PASTURE AND HAY

HINTS ON FORMATION OF LAWNS—Spade or plow ground to the depth of 8 inches. Afterwards harrow or rake carefully, pulverize all lumps. If the soil is poor, fertilize freely, working into the soil, then rake level and roll the soil well to make a solid bottom. Scatter the seed evenly over the surface. Rake seed in and roll, water regularly and carefully, as the soil is liable to dry out in the heat of the day, and if it does while the seed are germinating, a poor stand will be secured. Should bare spots appear, rake the surface and sow more seed.

QUANTITY TO SOW FOR LAWNS—You cannot sow too much; the more, the better; it means quicker, more satisfactory and lasting results. We recommend, on new ground, for average mixtures, to sow as follows: 2 pounds on 600 square feet (20 x 30); 5 pounds on 1,500 square feet (30 x 50).

All Prices on This Page Post Paid Through Third Zone Only. Prices Not Prepaid—See Yellow Price List Enclosed

1117—BUCK BRAND PERMANENT LAWN GRASS SEED—By far the best mixture of grasses offered for the purpose of quickly producing a permanent lawn. It is prepared from our own formula, and is a careful blending of varieties adapted to producing the thick growth and velvety appearance so much sought after. Each variety of grass in this mixture is there for a special purpose; some for making strong, fibrous roots, which take hold upon the soil and keep the turf in place; others of a creeping nature quickly fill up any bare spots which may develop; varieties which are useful for color value, and also kinds that withstand adversity. Sow in early spring or fall.

Price—1 lb., 45c; 5 lbs., \$1.65; 10 lbs., \$3.00

1118—BUCK BRAND SHADY LAWN GRASS SEED—Usually it is not difficult to obtain good turf under trees if the correct seed varieties are used. To make a new lawn in the shade spread lime at the rate of 1 pound to each 20 square feet; apply Vigoro or other complete fertilizer at the rate of 2 pounds per 100 square feet; rake smooth and sow Buck Brand Shady Lawn Grass Seed; rake again to cover the seed and either roll with a light roller or flatten with the back of a spade. Use 1 pound of seed for each 10 feet by 30 feet; sow at half these rates when renovating a lawn. Where shade is excessive it may be necessary to sow additional seed for one or two years. Late winter or very early spring seeding will give best results.

Price—1 lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.25

1103—KENTUCKY BLUE GRASS—A lawn and pasture grass, succeeding best on fertile, heavy soils which contain lime and phosphate, but does well on a variety of soils if lime is added. Kentucky Blue Grass should be included in all permanent pastures sown where it is adapted as no grass is more nutritious. It is one of the first to start up in the spring and gives excellent grazing in the fall. Sow for pasture about 15 pounds to the acre. A most beautiful lawn grass, especially adapted to shaded areas. It forms a close turf, is slightly creeping and quite hardy. Sow 1 pound to 300 square feet. Late winter or very early spring seeding is preferable.

Price—1 lb., 45c; 5 lbs., \$1.50; 10 lbs., \$2.75

1100—BERMUDA GRASS (Unhulled)—The most dependable grass for lawns, golf courses and pastures in the South, and when once established no amount of hot, dry weather will kill it out. It succeeds on nearly all soils; makes a tough, deep, smooth turf that recovers quickly after cutting and will endure more trampling and rough treatment than any other lawn grass. We recommend it as the foundation grass for almost all pastures since it combines to great advantage with White Dutch, Hop, Bur and Crimson Clover and Rye Grass, thus making an almost year round heavy producing pasture. For lawns sow 1 pound to 300 square feet; pastures 15 pounds per acre. April through June.

Price—1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$8.25

1102—HULLED BERMUDA GRASS—Same as unhulled, but the hull is removed. This new process promotes quicker germination enabling you to sow from April through July. Our tests show that the hulled type will germinate fully within 10 to 12 days, while the regular unhulled types take from 21 to 30 days. This should revolutionize the planting of Bermuda lawns, the only objection to Bermuda seeding before, being the length of time necessary for germination. Sow half as much Hulled Bermuda as you would Unhulled. Bermuda will stand more hot sun than any grass known.

Price—1 lb., \$1.25; 5 lbs., \$5.80; 10 lbs., \$11.00

1107—WINTER RYE GRASS—Used extensively throughout the South for winter lawns. Merely sow Rye Grass on your permanent sod late September to early November and you will have a beautiful green velvety lawn throughout the winter. Sow your lespedeza fields and permanent pastures to Rye Grass in October and secure an extra three months grazing per year with little cost and no preparation. For lawns sow 1 pound to 10 feet by 10 feet, for pasture 35 pounds to acre.

Price—1 lb., 30c; 5 lbs., 90c; 10 lbs., \$1.60

1101—RED TOP OR HERD'S GRASS—Red Top or Herd's Grass is one of the most valuable and satisfactory grasses for the South. Succeeds well on any good upland and low-ground, and grows better on land that overflows than almost any other grass. It is one of the easiest grasses to get started, and once established it thickens and improves, increasing yield every year, and should be included in all mixtures for lawns and pastures. Sow 15 to 20 pounds per acre in early fall or spring.

Price—1 lb., 40c; 5 lbs., \$1.15; 10 lbs., \$1.95

1104—ORCHARD GRASS—Very vigorous and hardy, having special value as a pasture grass, furnishing abundant grazing in early spring and late fall. Also will yield a fair quantity of nutritious hay. Ideal for sowing with other grasses and clovers. Its growth is checked during hot weather. Does well on almost any type rather fertile soil, but prefers abundant moisture. Will stand much shade and is excellent for woodland pastures and for sowing in gullies to prevent erosion. Sow about 15 pounds to acre either in the early fall or early spring.

Price—1 lb., 60c; 5 lbs., \$2.30; 10 lbs., \$4.35

1111—SUDAN GRASS—Sudan Grass is used mainly as a hay crop, but is also an excellent annual pasture grass, especially for the dry, hot summer months when other pastures are short. If sown immediately after frost danger it will produce two or three heavy cuttings of hay very high in feeding value. Cut just as heads appear. After cutting it renews its growth promptly and in about 60 days another cutting is ready. Yields 2 to 4 tons per acre. Sow broadcast or with drill, 30 to 40 pounds per acre.

Price—1 lb., 25c; 5 lbs., 60c; 10 lbs., 95c; 15 lbs., \$1.25; 25 lbs., \$1.90.



BUCHANAN'S GRASS SEED AND PASTURE MIXTURES

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Prices Not Prepaid—See Yellow Price List Enclosed

**SOW
PASTURE
MIXTURES
IN
LATE WINTER
OR
EARLY SPRING**

If properly cared
for will last
several years

1105—DALLAS GRASS (*Paspalum Dilatatum*)—A perennial, especially popular in the South, starting growth in mid-spring and remaining green until frost. When well established it will afford more nutritious grazing, especially in hot, dry weather, than any other Southern pasture grass. Besides being a superior pasture grass Dallas is a fairly good hay plant. It is adapted to a wide variety of soils, but prefers heavy and somewhat moist land. When this unusual grass is combined with the late winter and very early spring pasture grasses and clovers as Hop and White Dutch Clover, Red Top, and Orchard Grass, a most excellent pasture will result which will afford heavy grazing about nine months per year. Sow in March and April, earlier in the lower South, on well prepared land. Cover little or none. Plant 10 pounds per acre.

Price—1 lb., 50c; 5 lbs., \$1.80; 10 lbs., \$3.40

1106—CARPET GRASS—Carpet Grass is one of the most valuable pasture grasses for the lower South. It grows on poor sandy soils better than Bermuda and does well on most any soil with a fair amount of moisture. It spreads rapidly, stands closest grazing and heavy trampling. For lawns and golf courses it will make a heavy sod and the closer it is cut the better it grows. It also does well in pastures with Bur Clover, thus giving all year grazing. Sow 15 pounds per acre for pasture, twice this for lawns, from March until June.

Price—1 lb., 45c; 5 lbs., \$1.75; 10 lbs., \$3.25

1108—TIMOTHY—Timothy requires good land for heavy yield. If sown with Red Clover the clover will help to supply nitrogen. Red Top or Herd's Grass and Red or Alsike Clover all mature at the same season as Timothy and are excellent to sow with it for hay or grazing, increasing the yield of hay and pasturage. A good mixture is 6 pounds Timothy, 5 pounds Red Top or Herd's Grass, and 5 pounds Alsike Clover; this mixture will furnish an excellent hay and fine pasturage on good loamy soils or on low ground. If Timothy and Alsike Clover are sown together, mix 8 pounds Timothy and 6 pounds Alsike. Sow in early fall or early spring alone or in mixtures.

Price—1 lb., 30c; 5 lbs., \$1.00; 10 lbs., \$1.80

1112—BUCK BRAND SHADY PASTURE No. 1—Composed of the grasses and clovers which grow best in the shade. Every farmer wants some shady spots in his pasture if it is possible to have them, also wants his shady ground to produce, therefore we furnish this mixture, composed of the following grasses and clovers: Blue Grass, Japan Clover, Hop Clover, Rye Grass, White Clover, Red Top, Orchard Grass. Sow 15 pounds to acre.

Price—1 lb., 45c; 5 lbs., \$1.65; 10 lbs., \$2.95

1113—BUCK BRAND UPLAND MIXTURE No. 2—This mixture is our main pasture mixture for general planting and is composed of clovers and grasses which do well on our Southern uplands, mixed of high grade seeds: Red Top Grass, Rye Grass, Orchard Grass, Red Clover, Alsike Clover, Japan Clover, White Clover, and Hop Clover. Sow 15 to 20 pounds to the acre.

Price—1 lb., 45c; 5 lbs., \$1.65; 10 lbs., \$2.95

1114—BUCK BRAND LOWLAND PASTURE No. 3—Almost every farm has some low land unfit for cultivation, owing to its remaining wet until too late to plant in the spring, and this very land would be made to pay well if sown with our Lowland Pasture Mixture. This mixture will give a good yield of hay in middle of summer if not grazed too closely in spring. This is truly a good grazing and hay making mixture for any lowland. Mixed of following seeds: Alsike Clover, White Clover, Red Top, Timothy, Orchard Grass, Rye Grass, Carpet Grass, and Lespedeza. Sow 15 to 20 pounds to the acre.

Price—1 lb., 45c; 5 lbs., \$1.65; 10 lbs., \$2.95

1116—BUCK BRAND PERMANENT HOG PASTURE No. 5—Mixed so as to furnish the best possible hog pasture over a long period. Composed of the following seeds: Red Clover, White Clover, Japan Clover, Alsike Clover, Orchard Grass, Rye Grass, Hop Clover, and Red Top Grass. Sow 20 to 25 pounds to an acre.

Price—1 lb., 45c; 5 lbs., \$1.65; 10 lbs., \$2.95

LESPEDEZAS

1061—COMMON LESPEDEZA—Sow all Lespedezas February through April. Lespedeza is the salvation of Southern impoverished lands, and it produces a good hay crop on more fertile soil. Common Lespedeza has never failed to grow on any soil in the Middle or Southern States, and while it will grow year after year on hard, compact, uncultivated soil, it will respond in a marked degree to proper preparation. When sowing Lespedeza in a pasture mixture always sow Common since it withstands more adversity and closer grazing than any other. Sow 20 or 25 pounds per acre in winter or early spring.

Price—1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.50

1080—KOBE LESPEDEZA—A taller, improved type of Lespedeza which grows much ranker and has larger leaves. It has been known to grow 38 inches tall, but usually about 2 to 2½ feet. Possibly due to its rank growth, completely shading the ground and thus retaining moisture, it is much more resistant to dry weather than other Lespedezas. Excellent for pasture and a leading hay variety. Sow 20 to 25 pounds per acre.

Price—1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.50

1078—TENNESSEE No. 76 LESPEDEZA—This variety is similar to common, except that it is taller and more upright in growth, holding all the branches off the ground. It is finer stemmed than either Korean or Kobe and on account of this produces a superior quality hay. It continues to grow until killing frost, furnishing excellent pasture after the others have lost their leaves. Because of its long growing season it is probably the heaviest yielding hay variety. Sow 20 to 25 pounds per acre.

Price—1 lb., 55c; 5 lbs., \$2.35; 10 lbs., \$4.25

1079—KOREAN LESPEDEZA—The earliest of the annual Lespedezas. It comes up early in the spring and grows rapidly, furnishing much earlier pasture than any other variety and more nutritious grazing at a time when other grasses and clovers are not at their best. It is the only variety that can be cut for hay in August and if sufficient moisture is available will produce a seed crop before frost. Sow 20 to 25 pounds per acre.

Price—1 lb., 30c; 5 lbs., 85c; 10 lbs., \$1.50

BE SURE TO INOCULATE ALL LESPEDEZAS

1077—SERICEA LESPEDEZA—A Perennial Lespedeza, sending up new shoots from the crown after cutting or grazing. It will grow, thrive and thicken on poor, thin lands and on sour soils. We have never known it to be killed by drouth. It should not be cut more than twice in a year and will produce about four tons per acre of hay almost equal in feeding value to Alfalfa. Or, a hay crop may be made from the first cutting and later an abundant seed crop can be harvested. For the best quality hay, Sericea should be thick and must be cut before the stems become too coarse and woody. It also furnishes proportionately more grazing than any other Lespedeza. If not cut more than twice a year nor grazed too late in the fall it will continue profitable production indefinitely. It is most valuable to plant on soil that is too poor and eroded to produce any other profitable crop. Sow 15 to 20 pounds per acre.

Price—1 lb., 55c; 5 lbs., \$2.30; 10 lbs., \$4.25



Sericea Lespedeza



DWARF ESSEX RAPE

Prices on This Page Post Paid Through Third Zone Only. Quantity Prices on Yellow Price List Enclosed.



Dwarf Essex Rape

1063—DWARF ESSEX RAPE—Is one of the most valuable green forage crops, furnishing an abundance of quick, cheap pasturage for poultry, hogs and sheep. Makes a profitable crop on fertile soil only and can be grazed 6 to 8 weeks after planting. Sow broadcast alone or with grain, either spring or fall; it will afford more grazing per acre at a time when most needed than any other plant. One of the most nutritious of all green feed. Sow 8 to 10 pounds per acre broadcast. $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 5 lbs., \$1.15; 10 lbs., \$2.20 15 lbs., \$2.90.

COW PEAS

1235—THE WHIPPOORWILL—Also known as speckled. The seeds are buff, brown, or gray, depending on type, and are speckled; they are spoken of as bush peas, but will make vines when planted on rich land; on poor soil they produce few vines and many peas. The Whippoorwill is the most popular general purpose stock pea for either seed or hay. Sow broadcast 1 to $1\frac{1}{2}$ bushels per acre for hay or drill 15 pounds in rows 2 to 3 feet apart. They mature in about 90 days.

$\frac{1}{2}$ lb., 15c; 1 lb., 20c; 2 lbs., 35c; 1 gal., 75c; 1 pk., \$1.35

1238—NEW ERA—The seed have a blue cast with many black specks—an early maturing upright growing variety, very prolific producer of peas, small vines cure quickly, splendid for hay. Seed are smaller than Whippoorwills and it does not require as many to plant an acre. Sow broadcast about 1 bushel to an acre for hay. They mature in about 80 days.

$\frac{1}{2}$ lb., 15c; 1 lb., 20c; 2 lbs., 35c; 1 gal., 75c; 1 pk., \$1.35

1239—BLACK—Seeds jet black. Viny or running, making a fine growth of vines and leaves—shy seeder, splendid land improver, most valuable as a forage crop. Plant in rows of corn 8 pounds to acre. If broadcast for hay mix some upright-growing pea with them to hold vines off the ground when cutting. Mature in about 120 days.

$\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 1 gal., 80c; 1 pk., \$1.45

1236—CLAY—The seed are buff colored, medium size; the plant is large, vigorous growing and of vining or running habit. The Clay pea is used mostly for hay. Sow broadcast a bushel to an acre, for hay or turning under—drill 12 pounds to the acre in 2 to 3 foot rows on poor soil for seed. They mature in about 110 days.

$\frac{1}{2}$ lb., 15c; 1 lb., 20c; 2 lbs., 35c; 1 gal., 75c; 1 pk., \$1.35

1240—RED RIPPER—Seed are red. It is a vigorous growing vining pea. And on account of this it is ideal to plant on thin land to turn under. Planted mostly for soil improving and in mixtures for hay. Sow broadcast bushel to acre. They mature in about 110 days.

$\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 1 gal., 80c; 1 pk., \$1.45

1237—MIXED PEAS—For hay and soil improving, our mixtures consist of upright and vining peas—the upright growing peas, such as Whippoorwill or New Era hold the vining or running peas such as Black Clay and Red Rippers, off the ground, which makes it much easier to cut for hay. We sell more mixed peas for hay than all other varieties combined. Broadcast from 1 to 2 bushels to an acre; ready to cut for hay in about 90 days.

$\frac{1}{2}$ lb., 15c; 1 lb., 20c; 2 lbs., 35c; 1 gal., 75c; 1 pk., \$1.35

PEANUTS

CULTURE—Plant in late April to early June in loose, loamy soil, dropping the nuts 12 to 15 inches apart in $2\frac{1}{2}$ to 3 foot rows and cover 1 to 2 inches deep. Cultivate thoroughly until the nuts begin to form. When harvesting, loosen the roots with a plow, pull the vines with the nuts attached, allow them to dry, stack around a stake, turning the nuts inward.

1177—PEANUTS (Spanish)—Bush type so they can be grown closer than most varieties; are more easily cultivated and gathered, as the nuts, which are clustered around the base of the plant, cling firmly to the roots. The vines furnish a superior hay and the nuts combined with corn make a perfect hog food. Early maturing; heavy bearer.

Price—1 lb., 30c; 5 lbs., \$1.10; 10 lbs., \$1.90; 15 lbs., \$2.50

1178—PEANUTS (Tenn. Long Red)—The finest large variety grown. The long, large pods usually contain from three to four nuts, which are very rich and highly flavored. The heaviest bearer of nuts and hay of any of the large types. Excellent for home use and brings a premium on the market.

Price—1 lb., 35c; 5 lbs., \$1.15; 10 lbs., \$2.00; 15 lbs., \$2.65



Red Triumph

BUCHANAN'S State Certified POTATOES

Certified potatoes must pass through field inspection by the Department of Agriculture and must be true to variety, type and free from apparent diseases. It pays to plant Certified Seed Potatoes. Treat your Potatoes with Semesan Bel—see page 68.

EARLY POTATOES

Warba White (72 days)—Results indicate this is the most outstanding potato developed since Red Triumph was introduced. Eating quality fully as good as Red Triumph. Tubers are large, oval and of uniform shape. In six counties of Tennessee in 1939 it produced a fifth more than any other early variety. It endures more cold so can be planted earlier than Red Triumph. Matures its crop in less time, keeps well and is equally as well adapted to fall planting as spring.

Red Bliss Triumph (75 days)—Pink skin, white flesh, nearly round, peels without waste. Very early and good yielder. **Irish Cobbler (85 days)**—Round to oval in shape, slightly flattened at ends, flesh is pure white and cooks dry and mealy. **Chippewa (75 days)**—A comparatively new potato, pure white, smooth, symmetrical, with very shallow eyes and stores well. Ideal for early market and home use.



Nancy Hall

STATE CERTIFIED SEED SWEET POTATOES

One bushel produces about 3,000 slips

Nancy Hall (90 days)—Color, yellow; early maturing; keeps extremely well. Most popular variety for local market and shipping.

Porto Rica (100 days)—Color, golden red; fine grained, sweet and of best flavor. Keeps well; the ideal potato for home use.

Sweet Potato Slips—See Page 5

See Prices on Potatoes on Yellow Price List Enclosed



BUCHANAN'S CANE SEED AND FORAGE CROPS

CULTURE—Plant cane seed on rich land during April, May and June in 3½-foot rows at the rate of 8 to 10 pounds per acre. Cultivate like corn, leaving plants about 3 to 4 inches apart in the row. Grain Sorghums usually produce 30 to 50 bushels of seed per acre, and Syrup varieties 125 to 200 gallons of syrup per acre. Cut for making syrup just as seeds ripen.

CANE SEED, SACCHARINE TYPES FOR FORAGE

1195—TEXAS SEEDED RIBBON—The tallest and heaviest producing silage and fodder cane frequently yielding 18 to 20 tons per acre. The unusually large, strong stalks are supported by a vigorous, deep root system that prevents blowing down.

Price—1 lb., 30c; 5 lbs., 85c; 10 lbs., \$1.45; 15 lbs., \$1.90

1198—EARLY AMBER—Furnishes a large yield of most nutritious forage which may be fed green or cured. If planted early it will yield 2 cuttings a season.

1197—EARLY ORANGE—Yields immense crops of leafy, sweet forage. Slightly later than amber but higher in food value.

1199—RED TOP—Very leafy, sweeter; has high feeding value and is very drouth resistant. Especially desirable to plant with corn which matures at the same time for silage.

Price, 3 above varieties—1 lb., 25c; 5 lbs., 55c; 10 lbs., 90c; 15 lbs., \$1.15.

CANE SEED, NON-SACCHARINE TYPES FOR FORAGE

1212—SAGRAIN (303-37)—We offer the most improved strain, selected for its uniformity, heavy grain production and strong, stocky stalks. It does well on heavy soil; thrives under the same adverse conditions as sorghum, and produces 8 to 12 tons per acre, one to two tons of which is grain, which has nine-tenths the feeding value of corn. Fine for forage and ensilage, as it is quite juicy and grows an abundance of broad, long leaves. Sagrain is relished by mules, cows, hogs and chickens.

Price—1 lb., 25c; 5 lbs., 65c; 10 lbs., \$1.10; 15 lbs., \$1.55

1217—GROHOMA—A very desirable fodder cane producing heavy crops of grain and an abundant supply of fodder that is very rich in protein. Stalks and fodder contain much more sugar than most grain sorghums and on account of this the stock eat every particle. Since it stools and branches freely it requires only 5 lbs. of seed to plant an acre. Very drouth resistant.

Price—1 lb., 25c; 5 lbs., 70c; 10 lbs., \$1.20; 15 lbs., \$1.50

1210—WHITE KAFFIR—This variety has become more valuable every year because of its drouth-resisting qualities. Grows 4 to 5 feet high, is very stocky and leafy; valuable for forage and grain. Plant from April to July, in rows 3 feet apart, drilling seed thinly. It adapts itself to a wide variety of soils. A long drouth may stop its growth but it starts again with the first rain, seldom failing to produce an abundant crop.

Price—1 lb., 25c; 5 lbs., 60c; 10 lbs., \$1.00; 15 lbs., \$1.25

1213—YELLOW MILO MAIZE—Drouth resistant, very productive and makes an enormous amount of nutritious grain relished by all kinds of stock. Has immense, compact heads and the seeds are large. May be cut two or three times if desired for green forage. Early maturing and adapted to most soils.

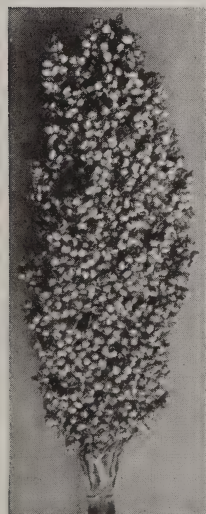
Price—1 lb., 25c; 5 lbs., 60c; 10 lbs., \$1.00; 15 lbs., \$1.25.

1215—HEGARI—It makes an enormous yield of grain even with little moisture. Especially desirable for forage or silage since the stalks are sweet and juicy, leaves broad, long and numerous. It is dwarf, producing large heads that do not shatter. Plant 8 to 10 pounds per acre. Stands dry weather extremely well and is one of the best grain and forage crops.

Price—1 lb., 25c; 5 lbs., 60c; 10 lbs., \$1.00; 15 lbs., \$1.25.

1214—ATLAS SORGO—A large, drouth resistant, heavy yielding, semi-sweet forage sorghum. Since it produces an unbelievable amount of grain and a tremendous tonnage of leaves and stalk of above the average in food value, we recommend this cane without reservation for silage. It is earlier maturing than our best native silage canes and corn.

Price—1 lb., 25c; 5 lbs., 70c; 10 lbs., \$1.20; 15 lbs., \$1.50.



Atlas Sorgo

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Buchanan's Honey Drip Syrup Cane

SPECIAL ATTENTION

NON-WARRANTY—Owing to the peculiar hybridization of all cane varieties, it is impossible to guarantee that they will come true.

All orders for cane varieties are therefore accepted only on these conditions.

1194—HONEY DRIP SYRUP CANE—Deservedly the most popular syrup cane in the South. Medium height, strong stalks which do not blow down easily. A heavy yielding type frequently producing 125 to 200 gallons per acre of medium amber colored syrup of mild, delicious flavor. Because of its true, pronounced molasses flavor, this syrup easily finds a ready market and since pure Honey Drip seed commands a premium, you will find this an excellent cash crop.

Price—1 lb., 25c; 5 lbs., 65c; 10 lbs., \$1.10; 15 lbs., \$1.40

BROOM CORN

Easily grown on any land adapted to corn. Plant 6 lbs. per acre, on a fine seed bed, 1½ inches deep in 3½-foot rows, when ground is warm. Thin out to 2 to 4 inches. Cultivate regularly.

1271—STANDARD EVERGREEN—Grows 8 to 10 feet tall. Yields a long, heavy brush, free from heavy center stems and crooked straws. Ready to cut in about 100 days.

Price—1 lb., 35c; 5 lbs., \$1.20; 10 lbs., \$2.20

1272—SCARBOROUGH (Dwarf Type)—It is earlier and has somewhat longer brush than Evergreen. Bears fewer seeds and easier thrashed than many other varieties.

Price—1 lb., 35c; 5 lbs., \$1.15; 10 lbs., \$2.10

MILLET

1185—TENNESSEE GROWN GERMAN MILLET (Big Headed Type)—Broadcast 50 pounds to acre. German Millet makes a quickly grown, easily cured and large yielding, nutritious hay crop. It comes so quickly that it can be sown after wheat, oats or other early crops are harvested and leaves the land clean. Millet should be cut while in bloom. As a summer catch-crop, it has few equals, for it makes a crop in about sixty days.

Price—1 lb., 25c; 5 lbs., 65c; 10 lbs., \$1.10; 15 lbs., \$1.40

1188—PEARL OR CAT-TAIL MILLET—Will grow 10 to 12 feet high, but for the greatest amount of green feed it should be cut when 3 to 4 feet high. It will then stool out enormously. Gives three or four cuttings a season, and keeps on growing until frost. It is highly nutritious. Should not be planted until the ground is thoroughly warm and does well even on poor soil and in dry seasons. Plant 5 pounds to the acre, in drills 3 feet apart.

Price—1 lb., 35c; 5 lbs., \$1.20; 10 lbs., \$2.20; 15 lbs., \$3.00

Prices Not Prepaid—See Yellow List Enclosed



SOY BEANS for OIL, SOIL, HAY



Laredo Soy Beans

1225—LAREDO SOUTHERN (Hay, 110 days; Seed, 135 days)—Recognized as one of the best hay and soil building beans for the Central South. Seed small, bushel plants 4 to 6 acres in 2 foot rows; 1 acre broadcast. Cover about 1 inch. Since it will endure more cold, adverse weather than any other variety, it can be planted much earlier. Can be drilled in fall planted oats about April 1 with no injury to oats and by cutting oats high secure two crops on same land in one year. Growth is upright, branching freely; hay quality excellent.

Price—5 lbs., 70c; 10 lbs., \$1.25; 1 pk. (15 lbs.), \$1.60

1224—BILOXI (Hay, 135 days; Seed, 165 days)—An upright variety, growing 4 to 5 feet high, covered with a dense mass of foliage that does not shed easily. A heavy yielder of beans; feeding value excellent because high in protein; a fine bean for hogging down, for planting with corn or sorghum. The pods are less liable to pop than most varieties; in fact, they hardly shatter at all. They require a long season to mature, but make a tremendous yield of hay or beans.

Price—5 lbs., 70c; 10 lbs., \$1.25; 1 pk. (15 lbs.), \$1.60

1226—OTOOTAN (Hay, 140 days; Seed, 170 days)—Few Soy Beans can equal Ootoatan as a hay maker. Its late maturity is more than overcome by the abundant growth, its fine stems and abundant foliage, and the fine texture of its hay, which cures quickly. It differs from most varieties in having many leafy branches instead of a coarse central stem, making it easy to cut and easy to cure. Planted in 3-foot rows, they will cover the land with a mass of foliage.

Price—5 lbs., 75c; 10 lbs., \$1.35; 1 pk. (15 lbs.), \$1.80

1219—TANNER (Hay, 115 days; Seed, 140 days)—A comparatively new bean, but it gives more promise as a hay bean than any introduced since the Southern Laredo. Produces as much or more hay than Laredo, of even superior quality. Stock seem to relish some soy bean hay more than others and they will leave hay of other beans to get the Red Tanner, cleaning up stems and all. Truly it seems good to the last drop. Don't fail to try some of this unusual bean.

Price—5 lbs., 70c; 10 lbs., \$1.25; 1 pk. (15 lbs.), \$1.60

1230—VIRGINIA (Hay, 100 days; Seed, 125 days)—On account of its abundant growth and early maturity the Virginia makes a most excellent hay bean. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure. The stems being fine and the leafage profuse, adapts it particularly well for hay making.

Price—5 lbs., 70c; 10 lbs., \$1.20; 1 pk. (15 lbs.), \$1.50

All Prices Below Post Paid Through Third Zone

CULTURE—Soy Beans may be planted either broadcast or in rows. Usually a better crop is had when planted in drills and cultivated, and few crops leave the land cleaner and in better condition for the following crop. They grow equally well on light and heavy soils, but on heavy soils they should not be planted more than 1 to 1½ inches deep except in dry seasons. On light sandy soils plant deeper, but not more than 3 inches deep. When sown broadcast sow 1 to 1½ bushels to the acre, in rows ¼ to ½ bushel per acre. Plant in April, May, June or July.

1218—OGDEN (Hay, 110 days; Seed 135 days)—The most desirable full season non-shattering oil bean developed to date. In many tests it has produced almost phenomenal yields. The beans are yellow with a slight greenish cast; oil content high and the mills pay top prices for Ogdens. It branches freely and produces sufficient foliage to make an excellent hay bean. Its heavy production of large beans make it most desirable for hogging off.

Price—5 lbs., 70c; 10 lbs., \$1.25; 1 pk. (15 lbs.), \$1.50

1221—RALSOY (Hay, 100 days; seed 120 days)—A strain of the very popular Arksoy 2913. This bean has most of the sought after characteristics of an oil bean, earliness, very heavy yields, high percentage of oil and the most necessary requirement for combining—all the plants mature at the same time.

Price—5 lbs., 70c; 10 lbs., \$1.25; 1 pk. (15 lbs.), \$1.60

1220—ARKSOY 2913 (Hay 100 days; Seed, 120 days)—An improved strain of the regular Arksoy Bean. On good land it yields consistently 30 to 40 bu. per acre. Will probably stand longer without shattering than any other bean. The most attractive characteristic of this bean is that all plants mature at the same time.

Price—5 lbs., 70c; 10 lbs., \$1.20; 1 pk. (15 lbs.), \$1.50

1233—MACOUPIN (Hay, 80 days; Seed, 100 days)—No doubt the finest early maturing oil mill bean developed to date. Harvest frequently starts last of August if planted early. Seed yield very heavy, 25 to 35 bushels per acre. Extremely non-shattering and ranks first in oil percentage. Will mature a full crop of beans when planted after early oats are harvested. Produces hay of fair quality.

Price—5 lbs., 70c; 10 lbs., \$1.20; 1 pk. (15 lbs.), \$1.50

1232—TOKIO (Hay, 120 days; Seed, 145 days)—A heavy producer of extra large pods and beans. It is a superior for oil bean and hogging down. Holds its foliage and beans well; has a medium coarse stem, branching from the ground.

Price—5 lbs., 70c; 10 lbs., \$1.20; 1 pk. (15 lbs.), \$1.50

1223—MAMMOTH BROWN (Hay, 115 days; Seed, 140 days)—Makes a large upright growth, with plenty of foliage and an abundance of pods. Is a prolific yielder of beans, robust and is more disease-resistant than most varieties. Does not shatter badly. They are especially fine for late hog pasture.

Price—5 lbs., 70c; 10 lbs., \$1.20; 1 pk. (15 lbs.), \$1.50

1231—MAMLOXI (Hay, 120 days; Seed, 145 days)—Is upright in growth and produces excellent hay if planted thick. A very prolific yielder of beans which shatter little and the best late maturing oil bean. Probably the best all purpose soy bean.

Price—5 lbs., 70c; 10 lbs., \$1.20; 1 pk. (15 lbs.), \$1.50

1229—MUNG BEANS—Should be planted in May for hay or turning under. Mung Beans are great soil builders and produce a large quantity of excellent hay. They are very hardy and disease resistant. The seed are small and it takes 5 to 8 pounds to drill an acre in 3-foot rows. Broadcast, 25 to 35 pounds an acre. Beans mature in 90 to 100 days, depending on the season.

Price—5 lbs., 85c; 10 lbs., \$1.40; 1 pk. (15 lbs.), \$1.90

1228—90-DAY OR SPECKLED VELVET BEANS—It is very prolific and can be planted later than other sorts on account of its early maturity. Velvet Beans make a greater growth of vines and beans than any other known forage plant in the same length of time, therefore, one of the best soil building legumes. Excellent for grazing off green and cattle will fatten on them even after frost has killed vines.

Price—5 lbs., 70c; 10 lbs., \$1.25; 1 pk. (15 lbs.), \$1.60

INOCULATE ALL SOY BEANS

With

NITRAGIN



MISCELLANEOUS FARM SEEDS

O A T S

CULTURE—For spring planting sow $1\frac{1}{2}$ to $2\frac{1}{2}$ bushels per acre on a well prepared seed bed as soon as possible after danger of hard freeze. In fall sow in early October, later in the lower South, $1\frac{1}{2}$ to $2\frac{1}{2}$ bushels per acre. Cover about 2 inches.

1276—COLUMBIA SPRING OATS—A very desirable, extremely early spring oat, very similar, but, in our opinion, superior to the long popular Early Burt variety. Even when planted a little late, will mature before hot weather. Produces large, heavy, well filled heads of plump grain on stiff, strong stems which do not blow down easily. Sown alone or with rape on rich land will furnish more pasture in less time than any other spring crop.

1275—FERGUSON 922—THE BEST STRAIN OF RED RUST RESISTANT OATS. Planted in spring or fall. When planted in fall this oat heads the list in average yield per acre in a ten year test at the Rice Branch Experiment Station tests, Stuttgart, Ark. Also an excellent oat for early spring planting to cut when beginning to head for hay or harvesting when mature for grain. Rust and smut resistant; furnishing much grazing when planted early in fall. Withstands cold and sudden changes unusually well.

1278—STANTON OATS—A new oat which has already established itself in production and cold resistance. The grain is very compact, heavy, carrying little husk; very resistant to smut and rust. Stools freely, making it excellent for winter grazing. Heads very long, borne on stiff, storm resistant straw. Matures in the same length of time as Ferguson, planted either spring or fall.

1274—VICTOR GRAIN OATS—This oat is similar but far superior to the long popular Fulgrain because it is much more resistant to cold and consistently produces a much heavier yield of grain per acre. This has been proven in tests over the entire cotton belt. It is earlier maturing than red oat strains, rust and smut resistant. Straw very stiff, medium height, making it one of the most storm resistant oats. The grain is plump, has low per cent of hulls, therefore, has a high feeding value. Plant either fall or spring.

1277—NEW NORTEX OATS—An improved strain of the long popular Red Rust Resistant Oat, which has stood right at the top in yield of grain per acre, for a number of years in tests over the entire South. An excellent oat for either Spring or Fall planting, however, if sown in the Spring early planting is advisable. Very winter hardy and resistant to rust and smut. They stool heavily furnishing an excellent spring pasture over a longer period than some of the earlier maturing oats.

Prices, post paid, through 3rd zone only, on All Oats—Peck, 75c; $\frac{1}{2}$ bu., \$1.20; 1 bu. \$1.95

BARLEY

1263—BEARDLESS BARLEY—It makes a quick growing, excellent fall and winter pasture, controlling erosion unusually well. Also a heavy yielding grain crop especially desirable for hogging off since it has no beards. Barley is almost exactly equal to corn in food value and will give practically the same yields of grain as corn on any medium to good soil. Sow $1\frac{1}{2}$ to 2 bushels per acre.

1262—BEARDED BARLEY (Tennessee 52)—An unusually heavy stooling and high grain yielding variety of Barley which seems to have no equal for the Central South. More winter hardy than the Beardless varieties, therefore more desirable for grain production. This most desirable strain of Bearded Barley will be very profitable to any stock raisers. All Barley can be sown with Crimson Clover and both will make almost a normal yield of seed. Can be harvested at same time since they ripen together and the seed are easily separated.

VETCH AND AUSTRIAN WINTER PEAS

1176—SAND OR HAIRY VETCH—A very desirable winter legume used principally for soil building. Well adapted to all types of soil except extremely poor. Plant in cotton or corn middles, 20 pounds per acre, before November 1 either with a vetch planter or by sowing broadcast and covering with small harrow or middle buster. Can be turned under the next spring in time to plant cotton, corn, etc. Never winter kills when properly planted, and frequently doubles the yield of the succeeding crop if properly inoculated. A fair grazing and hay crop when planted with oats, beardless barley, etc.

1250—AUSTRIAN WINTER PEAS—Plant just as described for Hairy Vetch above, except use 30 to 35 pounds per acre. Like Vetch, it adds nitrogen equal to about 500 pounds Nitrate of Soda per acre when turned under at the proper time. Will grow on poorer soil than Vetch, but is not as winter hardy. Will be ready to turn under about two weeks earlier than Vetch. Makes a very nutritious hay when sown with oats.

RYE

1264—BALBO RYE—Balbo Rye is characterized by a rapid, upright habit of growth. In this respect it is very much like Abruzzi. The upright habit, coupled with the rapidity of growth, makes Balbo of outstanding value for early pasturage. Balbo rye will furnish about 25% more grazing than native or common rye. Balbo Rye has proved to be appreciably more winter hardy than Abruzzi.

1265—ABRUZZI RYE—If sown on good land in late August or early September it will be ready for grazing in about six weeks, and will furnish abundant grazing for several months if not grazed too close. Unless wanted for grazing, do not sow before late September, as it may go to seed during the fall; late October or early November is early enough to sow for a grain crop.

1267—COMMON RYE—It is cheaper in price and can be sown from August 15 to December 15 for grazing and erosion control. Can be sown with no preparation in corn and other row crops in late August for winter and spring grazing.

WHEAT

1257—HARDIER WHEAT—Results of tests over most of the South show this to be the highest producing wheat yet introduced in this area. This is due to its early maturity and resistance to rust and smut.

1259—COKER RED HART—A very early maturing wheat developed in the South for grazing and grain production. In many tests over the Central South this heavy stooling variety has consistently been the leading grain producer. Has long, heavy compact heads with plump grains, excellent for milling.

1268—MAMMOTH RUSSIAN SUNFLOWER

Every Southern farm should plant some of this large headed variety of Sunflower for their poultry. Will produce more grain on medium to thin land than corn. Sow 10 lbs. per acre in drills 3 feet apart and cultivate as you would corn. Post paid—Pkt., $\frac{1}{4}$ lb., 10c; 1 lb., 30c; 5 lbs., 75c; 10 lbs., \$1.25

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS****PEACH AND PLUM SPRAY SCHEDULE**

Time of Application	Disease or Insect	Material to Use for 50 Gallons
Dormant—After leaves are shed in the fall and before buds swell in the spring when temperature is above 40	Scales and leaf curl	No. 34 Copper 1½ pounds or Bordeaux 4-4-50 with Buchanan's Oil Emulsion 2½ gals. or Kleenup Ready-Mix 1¾ gals. Or use alone. Dry lime sulphur 12½ lbs. or liquid lime sulphur 4 gal.
Shuck stage—as dried floral parts are falling	Curculio Leaf Spot Brown rot	Sulfuron 3 pounds. Zinc sulfate 2 pounds. Lead Arsenate 1 pound. Lime 3 pounds. Fluxit Ortho Spreader or Soy Bean Flour ¼ pound.
First cover—about 10 days later	Curculio Scab Leaf spot	Same materials as previous spray.
Second cover—12 days later	Brown rot Scab Leaf spot	Same materials as previous spray, except poison may be omitted on fruit about ripe.
Third cover—12 days later	Curculio Leaf spot Brown rot	Same materials as previous spray, except poison may be omitted on fruit about ripe.
Later Sprays	Brown rot in rainy seasons	Sulfuron 3 pounds.

APPLE SPRAY SCHEDULE

Time of Application	Disease or Insect	Material to Use for 50 Gallons
Dormant—After leaves are shed in the fall and before buds swell in the spring when temperature is above 40	Scale	Buchanan's Oil Emulsion 2½ gallons or Kleenup Ready-Mix 1¾ gallons.
Delayed-dormant—When young leaves are not more than ¼ inch long	Scale Scab Aphids	Lime-sulfur (32°) 8 gallons. Nicotine sulfate ½ pint (only when aphids are present).
Prepink—Before bud clusters separate	Scab Aphids	Lime-sulfur (32°) 1¼ gallon. Nicotine sulfate ½ pint (only when aphids are present).
Pink-bud—When bud clusters are separate and showing pink	Scab Aphids	Lime-sulfur (32°) 1¼ gallon, same as prepink. Nicotine sulfate ½ pint (only when aphids are present).
Full-bloom—When two-thirds of blooms are open	Blossom blight Scab	No. 34 Copper ¾ pound, or Bordeaux 1-3-50.
Calyx or Petal Fall—When most of blossoms have fallen	Codling moth Scab	Lime-sulfur (32°) 1 gallon and Hydrated lime 5 pounds, or 4 pounds Sulfuron. Use ¼ pound Fluxit Ortho Spreader or Soy Bean Flour with either of the above. Lead Arsenate 1½ pounds.
First cover—7-10 days after the calyx spray	Blotch Scab Codling moth	No. 34 Copper 1½ pounds, or Bordeaux 2-4-50. Spreader as previous spray. Lead Arsenate 1½ pounds. Add Lime 2½ pounds when using No. 34 Copper.
Second cover—10 days later	Blotch Scab Codling moth Leafhoppers	No. 34 Copper 1½ pounds, or Bordeaux 2-4-50. Half gallon Orthol-K Summer Oil. Spreader as previous spray. Add Lime as previous spray. Lead Arsenate 1½ pounds. Nicotine sulfate (only if leafhoppers are numerous).
Third cover	Blotch Sooty mold Bitter rot	No. 34 Copper 1½ pounds, or Bordeaux 2-6-50. Half gallon Orthol-K Summer Oil. Spreader as previous spray. Lead Arsenate 1½ pounds. Add Lime as previous spray.
Fourth cover	Bitter rot, Blotch Codling moth	Same as third cover.
Later Sprays	Bitter rot Blotch	No. 34 Copper 2 pounds, or Bordeaux 4-6-50. Use arsenate of lead if worms are present, omitting summer oil.

GRAPE SPRAY SCHEDULE

Time of Application	Disease or Insect	Material to Use for 50 Gallons
Pre-bloom—when shoots are 4-6 inches long	Mildew Black rot	No. 34 Copper 1½ pounds, or Bordeaux 4-6-50.
Immediately after grapes set	Mildew Black rot	No. 34 Copper 1½ pounds, or Bordeaux 4-6-50. Fluxit Ortho Spreader or Soy Bean Flour ¼ pound.
Two weeks later	Mildew Black rot	No. 34 Copper 2 pounds, or Bordeaux 4-6-50. Lime 2½ pounds. Lead Arsenate 1½ pounds. Spreader as above ¼ pound.
When nearly grown	Mildew Black rot	No. 34 Copper 2 pounds, or Bordeaux 4-6-50. Fluxit Ortho Spreader or Soy Bean Flour ¼ pound.



R.B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

FRUIT GROWERS' SUPPLIES



EVERMARK—For writing on all plant labels. Will not rub off, will not wash off. Don't take chances—use **EVERMARK** exclusively. Made especially for growers. Post paid—Each, 15c; 2 for 25c.

WHITE WOOD LABELS



These labels made of White Wood, need no paint and will last for many months—used by professional market gardeners, orchardists, nurserymen for labeling trees, plants, shrubs, etc.

Dahlia or Tree Labels with copper wire, 3 1/2-inch. Post paid, 50, 30c; 100, 50c; 500, \$1.35; 1,000, \$2.50. At Store, 50, 25c; 100, 40c; 500, \$1.20; 1,000, \$2.25.

Pot Labels, 5-in., post paid, 50, 35c; 100, 55c; 500, \$1.50. At Store, 50, 25c; 100, 40c; 500, \$1.25; 1,000, \$2.30.

Pot Labels, 8-in., post paid, 50, 40c; 100, 75c; 500, \$2.00. At Store, 50, 30c; 100, 50c; 500, \$1.75; 1,000, \$3.00.



Can be sold only for use in food production. You must state on your order "I will use this twine for food production only."

JUTE TWINE—2-PLY

For bunching vegetables, tying plants for food to stakes and trellises.

	Post Paid	At Store
1/2-lb. balls	Each \$0.20	\$0.15
7 1/2-lb. balls	1.25	1.00
50-lb. coils	Each	14.00



Budding Knife

BUDDING KNIFE—Good quality. Each, post paid, \$1.25. At Store, \$1.10.

GRAFTING KNIFE—Same quality as above. Each, post paid, \$1.25. At Store, \$1.10.



No. 230—California pattern, flat spring, ratchet nut, 9 in. Post paid, \$1.45. At Store, \$1.35.

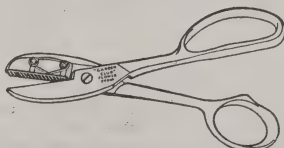


Snap-Cut Pruner

119—SNAP-CUT PRUNER—The snap-cut design makes an extremely easy and fine cutting tool. It is proclaimed by fruit growers, gardeners, etc., as the finest shear ever produced. Each, post paid, \$2.10. At Store, \$2.00.

No. 9—**JUNIOR SNAP CUT**—An ideal shear for home gardening. Post paid, \$1.10. At Store, \$1.00.

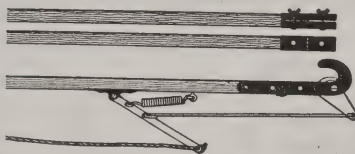
118—LADIES' SNAP CUT—Post paid, \$1.35. At Store, \$1.25.



No. 750—**FLOWER SHEAR**—Cuts and holds flowers. A perfect one-hand flower picker. Post paid, 70c. At Store, 60c.



No. 130—California pattern, volute spring, ratchet nut, 9 in. Post paid, \$1.10, at Store, \$1.00.



No. 1312S

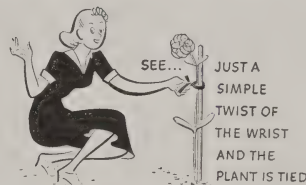
No. 1312S—For general home or orchard, use the Tip-Top Tree Trimmer; is an easy cutting, easy to operate tool whose 12-foot handle is furnished in three sections. The 12-inch saw blade is a valuable addition, as it makes the tool a pole saw as well as a trimmer. Post paid, \$4.25. At Store, \$4.00.



No. 149HH—A long-handled pruner using the famous Snap Cut Action. Ash handles pinned to the shank. This shear will cut large limbs with unbelievable ease, 27 inches. Post paid, \$3.75. At Store, \$3.50.



No. 11—18-in. Tapered Pruner. Preferred by many orchardists and fruit growers; has the advantage of a thin, narrow blade that cuts very clean, fast and easy, and one that is easily replaced when dull. Strong, rust-resistant, steel frame; blade adjustable to 4 positions for taking out limbs in close quarters. Post paid, \$2.50. At Store, \$2.35.



"TWIST-EMS"

"Twist-ems"—strong, dark-green "invisible" tapes with wire reinforcing—protect stems, permanently support annuals, perennials, vines, shrubs and vegetables. Eliminates unsightly twine, raffia and needless work with shears. Grand for flower arrangement. Millions used. Buy today.

	Post paid	At Store
125 8 inch size	..... 30c	25c
250 4 inch size	..... 30c	25c



No. 20—California Pruning Saw, made of genuine silver steel. Has a very narrow blade with rip teeth. Blade tapers from 1/4 inch wide at point. Length 12 inches. Post paid, \$1.50. At Store, \$1.35.

No. 113—California pattern, crescent shaped, special steel blade, hardwood handle riveted to steel blade, 12 in. A stronger, wider, less flexible blade than No. 20. Post paid, \$1.50. At Store, \$1.35.



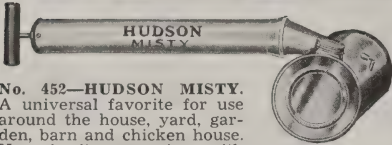
No. 055—Lopping Shears

No. 055—Light weight but strong enough for heavy work; blade and hook are of hardened and tempered steel, 28 inches. Post paid, \$2.95. At Store, \$2.75.

No. 056—Same as above, except 36 inches long. Post paid, \$3.50. At Store, \$3.25.

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

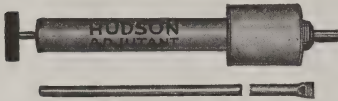
BUCHANAN'S SPRAY PUMPS



No. 452—HUDSON MISTRY.

A universal favorite for use around the house, yard, garden, barn and chicken house. Now in its new size, with full quart container and more efficient Nu-Action pump, it produces a large volume of finely divided spray per stroke.

No. 452—Heavy tin, post paid, 60c; at Store, 45c.



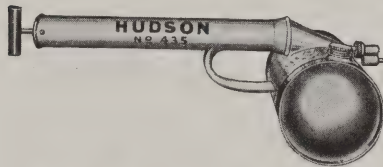
Pump— $\frac{1}{4}$ -in. diameter, 10-in. stroke. **Powder Reservoir**— $\frac{3}{4}$ in. diameter, 4 in. long. Large filler cap permits easy filling, emptying or cleaning.

No. 664—Adjutant Duster, post paid, 65c; at Store, 50c.

No. 435—CARDINAL CONTINUOUS

Sprays efficiently fly oils in the dairy barn, milk house, creamery, etc. Handles most oil base solutions and insecticides, breaking them up into a fine vapor. Adjustable nozzle takes care of solutions of varying consistency and delivers any type spray from finest fog to solid stream. Holds 3 quarts.

No. 435—Post paid, \$1.50; at Store, \$1.30.



No. 437—CAPITAL SPRAYER—3 Quart Capacity. This unusual sprayer combines the advantages of a compressed air sprayer with the efficiency of the continuous type. Pressure is developed by a few strokes of the pump, then the thumb control shut off valve permits instant starting or stopping of the spray.

Post paid, \$3.05; at Store, \$2.85



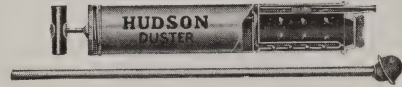
No. 437—Capital Sprayer

No. 612—PATROL—An effective pattern for truck gardens, field crops, etc. The two 12-inch extensions and reversible angle



nozzle permit the operator to reach all parts of the plant easily. **Pump**— $\frac{1}{4}$ x $\frac{1}{4}$ inches. **Powder Reservoir**—Glass, specially designed. Contents always visible. Wide mouth, permits easy filling. Any standard fruit jar can be used.

No. 612—Patrol, with Jar, post paid, \$1.20; at Store, \$1.00.



No. 765—ADMIRAL DUSTER—The best hand duster ever developed. It will effectively apply any insecticide dust in any quantity desired. Its special plunger develops a powerful air blast. An efficient method of agitation is provided by forcing air through the dust, thus making a more positive and uniform discharge. Has 24 in. extension rod with nozzle adjustable for either straight or angle discharge.

No. 765 — Post paid, \$1.35; at Store, \$1.20.



Hudson 4A Barrel Pump

HUDSON BARREL PUMP—

Is powerful, light and durable and will maintain a continuous working pressure of 200 pounds or more. This pump will spray white wash, cold water paints, disinfectants as well as all orchard spray materials. Can be mounted in any heavy wooden barrel which makes it ideal for small orchards.

No. 4A—Pump with 10 feet $\frac{3}{4}$ -inch spray hose and 3-foot extension rod, total 13 feet, and Fog angle nozzle. At Store, \$13.25



No. 240G JUNIOR

Tank— $\frac{6}{8}$ inches diameter, 18 inches long; capacity about $2\frac{1}{2}$ gallons. Has all brass perfection shut-off. Can be locked open for continuous discharge. **Discharge hose**—Attaches to the supply tube which extends to the bottom of the tank and allows all the liquid to be discharged.

No. 240G—Galvanized tank, post paid, \$5.70; at Store, \$5.50.

No. 240B—Copper tank, post paid, \$9.25; at Store, \$9.00

No. 235G—CLIMAX

—Open top tank, $7\frac{1}{4}$ x 20 inches, capacity 3 $\frac{1}{2}$ gallons. Embodies in its construction strength, safety, ease of operation and complete accessibility.

Equipped with 24 inches spray hose which attaches directly to supply tube extending to bottom of tank allowing all liquid to be discharged. Has perfection automatic shut-off which can be locked open for continuous spraying.

No. 235G—Galvanized, Post paid, \$6.00; at Store, \$5.75.



Tank— $7\frac{1}{4}$ inches diameter, 21 inches high; capacity, 4 gallons. **Hose**—attaches direct to the discharge tube which extends to the bottom of the tank. The completely open top affords ease in filling, cleaning and emptying—quick access to all parts of sprayer. Has all brass perfection shut-off. Can be locked open for continuous discharge. Has all brass fog nozzle.

No. 210G—Galvanized tank—Post paid, \$7.50; at Store, \$7.25. No. 210B—Copper tank—Post paid, \$12.00; at Store, \$11.75.



R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS



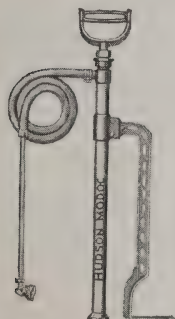
247G

HUDSON DU-MORE is a continuous pressure sprayer adapted for all truck and field crops, vineyards, bushes, shrubs, etc. Tank holds 4 gallons. Made of heavy galvanized steel, sturdily built. Equipped with wide shoulder straps. Operates with remarkable ease. Has 3 feet of spray hose, 2-foot brass extension rod, shut-off and brass Fog Nozzle.

No. 247G—Galvanized Du-More, post paid, \$18.90; at Store, \$18.50.

No. 133—**TROMBONE**—High pressure spray pump for handling all solutions. Continuous in operation, maintaining a steady discharge without undue exertion on the part of the operator. All parts are brass with bronze ball valve, easily accessible.

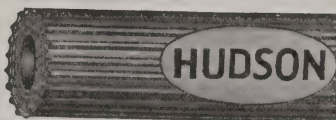
No. 133—Trombone, post paid, \$5.15; at Store, \$5.00.



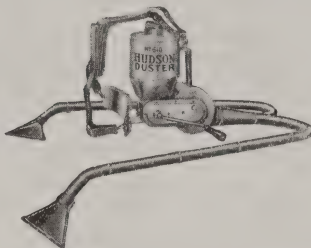
No. 122—**MODOC BUCKET SPRAYER**—Double action delivering a continuous spray. All working parts are brass. Foot rest is adjustable for various heights. Comes equipped with 3 feet of hose, 2 foot brass extension and brass nozzle with variable discs.

No. 122—Modock, post paid, \$5.45; at Store, \$5.25.

No. 36
SUNSHINE
SPRAYER



See prices right hand column



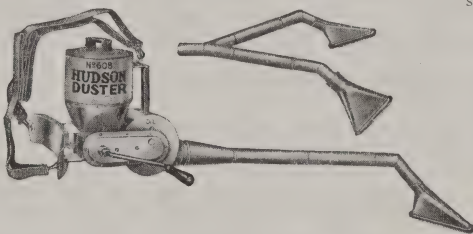
No. 610—**HUDSON DUSTER**—Exactly like 608 below except discharge equipment can be adjusted to apply dust in front or behind the operator. By dusting behind avoids the possibility of inhaling the dust.

Post paid, \$16.45; at Store, \$16.00.

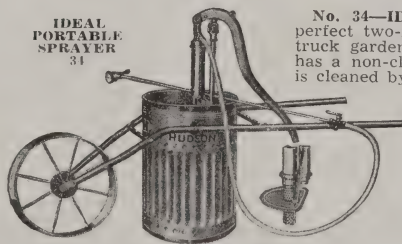
No. 608—**HUDSON DUSTER**—Develops an unusually powerful air blast. It delivers more than enough air at the nozzle to prevent clogging and to break the powder into a fine floating dust. It has two agitators, one oscillating, one rotary. Will handle any powder, light or heavy.

Gears are steel, running in oil bath, enclosed in dust proof housing.

Post paid, \$14.15; at Store, \$13.75.



IDEAL
PORTABLE
SPRAYER
34



No. 34—**IDEAL PORTABLE SPRAYER**—The perfect two-man sprayer for orchard, vineyard, truck garden, dairy barn or poultry house. It has a non-clogging tubular brass screen, which is cleaned by a special dasher agitator and handles white wash and cold water paints. Has a 4A barrel pump which will maintain 200 lbs. pressure, securely mounted in an 18 gallon heavy galvanized corrugated tank. Has 10 feet 3/8-inch spray hose, 3-foot extension rod and automatic shut-off.

Price—At Store, \$22.25

No. 36—**SUNSHINE**—Fits the needs of the florist or nursery man, because its width permits its use between the narrow rows; also adapted for orchards, vineyards and truck gardens, for whitewashing poultry houses and dairy barns. Valves are bronze balls mounted in a brass cage. Cylinder is seamless brass. Air chamber has ample capacity for high pressure and steady discharge. Tank is heavy gauge copper bearing galvanized steel; capacity 12 1/2 gallons. Discharge equipment consists of 6 feet of 3/8-inch spray hose, 3-foot brass rod extension, angle spray nozzle and perfection automatic shut off which can be locked open for continuous spraying. Fitted with non-clogging tubular brass screen and special dasher agitator which cleans it thoroughly at each stroke of the pump plunger.

Price—At Store, \$15.00



166



149



168



176

HUDSON SPRAY PARTS

No.	Part	Each Post Paid
No. 168	Angle Spray Nozzles	\$0.50
No. 166	Spray Nozzles	.50
No. 149	Brass Shut-off Cock	1.20
No. 176	Perfection Shut-off and Nozzle	1.60
No. 161	Perfection Shut-off, No Nozzle	1.10

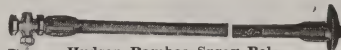
EXTENSION RODS

2-ft. Brass Rods	\$0.60; mailed, \$0.70
3-ft. Brass Rods	.80; mailed, .90
4-ft. Brass Rods	1.00; mailed, 1.10

SPRAY REPAIRS

	Post Paid
Pump plunger leather, barrel pumps	.25c
Pump plunger leather, bucket pumps	.10c
Pump plunger leather, for comp. air	.10c
Rubber gaskets for com. air	.10c
Check valves complete for comp. air	.60c

Whirl Discs, Brass Screens and Outside Discs for Spray Nozzles, each...10c
To avoid errors it is best to send worn out parts.



Hudson Bamboo Spray Pole

HUDSON BAMBOO SPRAY POLES are brass lined. This lining is in one piece, locked to the poles at both ends. Will not turn inside the bamboo because of the special end castings.

No. 42—Spray Pole, 8-foot, with stop cock. Price, each, at Store, \$3.95.

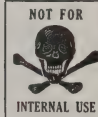
HUDSON SPRAY HOSE—Built to handle a working pressure of 250 pounds. Has a very tough and durable outside and the inner liner is specially compounded to withstand the action of spray materials. Furnished in both 3/8-inch and 1/2-inch sizes, any length up to 50 feet.

Price—3/8-inch, post paid, 1 to 10 ft., 16c per ft.; 10 ft. or more, 15c per ft.
At Store—14c, 1/2-inch, post paid, 1 to 10 ft., 18c per ft.; 10 ft. or more, 17c per ft. At Store—16c.

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS****BUCHANAN'S INSECTICIDES**

Insecticides are for controlling insects and diseases of fruits and vegetables and should be handled with care. When not in use put out of the reach of children and pets.

Post Paid Prices on This Page Through Third Zone Only.



An Emulsion can be made of any oil from coal oil up to the extremely heavy oils, but Oil Emulsion made of the light and low grade oils will not control scale and will frequently injure fruit trees. Buchanan's Oil Emulsion is made exactly according to U. S. D. A. Formula, using heavy oil.

BUCHANAN'S OIL EMULSION—For a dormant spray, Buchanan's Oil Emulsion provides the cheapest, most effective and complete control of scale insects, aphids and thrips that winter over on trees. For scale control on all fruit trees, use at the rate of 1 gallon Oil Emulsion to 20 gallons water, slightly more if scale infestation is heavy. If your water is extremely hard, 4 pounds Bordeaux added to each 50 gallons of water, before adding the oil, will prevent oil from curdling. To get best results, every part of the tree must be completely covered. Spray in fall, after leaves and fruit are off, or in spring before buds swell. To control peach leaf curl and scale, combine Buchanan's Oil Emulsion with prepared Bordeaux Mixture or home-made Bordeaux, directions under Bluestone below.

Price—Post paid—1 qt., 50c; ½ gal., 65c; 1 gal., 85c. At Store—qt., 35c; ½ gal., 50c; gal., 65c; 5 gals., \$2.25; 10 gals., \$4.00; 15 gals., \$5.25; 30 gals., \$6.60, plus \$2.40 for container; 55 gal. bbl., \$11.55, plus \$4.00 for container.

NOTICE—We will refund full value for 30 and 55 gal. containers when returned F.O.B. Memphis. Please return.

LIME SULPHUR SOLUTION—Is an insecticide as well as a fungicide, free from sediment and works through the nozzle easily. Used as an insecticide to control San Jose scale, blister mite and similar sucking or scale insects, at a dilution of 1 gallon to 8 gallons of water and applied either after the leaves drop in the fall or before the buds open in the spring. For small quantities, use 1 pint Lime Sulphur Solution to 1 gallon of water. Never use at this strength when trees are in foliage. The spring application, just before the buds swell, will assist in controlling leaf blister mite, plant lice and peach leaf curl and is advisable in orchards when the scale is already under control. For early spring and summer spraying to control scab, leaf spot and similar fungus diseases on apples and pears, 1 gallon to 50 gallons water.

Price—1 qt., 30c; ½ gal., 45c; 1 gal., 60c; 5 gals., \$2.15; 10 gals., \$4.00; 15 gals., \$5.60; 30 gals., \$7.20; 55-gal. bbl., \$10.45. Post paid—1 qt., 45c; ½ gal., 60c; 1 gal., 80c.

BLUESTONE-COPPER SULPHATE—(Formula for Making Home Made Bordeaux.) In case you wish to use Bluestone and Lime to make your Bordeaux, proceed as follows: Dissolve our Snowform (Powdered) Bluestone at the rate of 4 pounds to 50 gallons of water. It will require only a few minutes stirring to dissolve Snowform Powdered Bluestone. Then while stirring add 6 pounds hydrated lime to the above mixture. If the above directions are correctly followed you will have 50 gallons of standard strength 4-4-50 Bordeaux. In case you need a 3-4-50 strength, use only 3 pounds of the Snowform Bluestone, and if you wish a 5-4-50 strength, use 5 pounds of the Snowform Bluestone, but do not change the other ingredients. By combining the Bluestone and the Lime at different proportions, one can make any strength Bordeaux Mixture desired. Bluestone is also used in spraying potato storage houses—use 1 pound to 5 gallons water.

SNOWFORM (Powdered)—Post paid—1 lb., 25c; 5 lbs., 70c; 10 lbs., \$1.15; 25 lbs., \$2.70. At Store—1 lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.35; 50 lbs., \$4.35.

SCALECIDE controls scale aphids, red mite and many other pests of apples, peaches, pears, etc. Scalecide kills many overwintering codling moth larvae, and aids in cleaning up cankers. The year after year use of Scalecide invigorates the trees. The most complete dormant spray for fruit trees, shrubs and vines. Full directions on each container.

Price—Post paid—1 qt., 90c; 1 gal., \$2.00. At Store 1 qt., 75c; 1 gal., \$1.75; 5 gals., \$6.35; 15-gal. drum, \$14.95; 30 gals., \$23.75; 55 gals., \$35.89.

ORTHO DRY SPREADER (A Spray Depositor)—Is a distinct improvement over the old type spreading agents. Small amounts of Ortho Spreader give quick wetting, and most important of all, small amounts provide an even, thick protective coverage which greatly enhances the effectiveness of the spray. Due to quicker wetting, less spray material is required to get good coverage. Use at the rate of ¼ pound to 50 gallons of water.

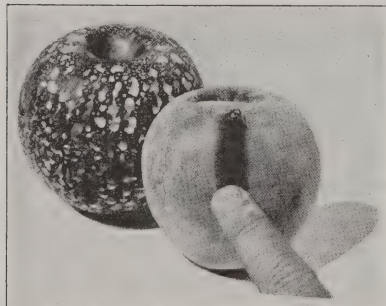
Post paid—1 lb., 36c; 5 lbs., \$1.40; 10 lbs., \$2.60; 25 lbs., \$5.85. At Store—1 lb., 26c; 5 lbs., \$1.20; 10 lbs., \$2.30; 25 lbs., \$5.25.

SOY BEAN FLOUR SPREADER—A most excellent spreader and sticker produced by the farmer. Compatible with all summer sprays. Being a vegetable product it does not change the spray material chemically in the least. The most economical spreader and sticker developed to date and has no superior. Orchardists have not used a spreader consistently in the past, but now there is no reason to leave out this valuable asset to the spray program. It prevents excessive run off of the material you want to remain on the fruit and leaves, giving a uniform, even, heavy film of the fungicides and insecticides at almost no cost. Use ¼ pound per 50 gallons of spray.

Price—Post paid—1 lb., 30c; 5 lbs., 80c; 10 lbs., \$1.30; 25 lbs., \$2.75. At Store—1 lb., 20c; 5 lbs., 65c; 10 lbs., \$1.10; 25 lbs., \$2.25; 50 lbs., \$4.25.

NOTICE

When ordering bluestone you must put this statement on your order and sign it: "This is to certify that the bluestone covered by this order will be used or sold for use only for soil treatment or as an insecticide or fungicide in connection with the cultivation of agricultural crops."

**LEFT**

Apple sprayed with Lead Arsenate, no Spreader. Note blotchy, uneven distribution of the Lead. This means poor control.

RIGHT

Apple sprayed with Lead Arsenate-Spreader combination. Note even Lead coverage. Better protection from worm attack.

DRITOMIC SULPHUR—(Peach Dritomic or Apple Dritomic)—It is a spring and summer spray, safe to apply to fruit and foliage where older type materials would develop caustic tendencies. The universality of its use, right through the growing season, is ample evidence. Its fineness enables it to go into suspension easily, and without sediment. You have no annoying loss of time to clean clogged spray nozzles. Dritomic Sulphur is an excellent preventive for all fungous troubles, bitter, brown rot, scab, etc. We can furnish Peach Dritomic or Apple Dritomic. When ordering specify the one desired.

Apple Dritomic—Post paid—4 lbs., 75c; 12 lbs., \$1.80; 24 lbs., \$3.10. At Store—4 lbs., 60c; 12 lbs., \$1.50; 24 lbs., \$2.65.

Peach Dritomic—Post paid—5 lbs., 75c; 15 lbs., \$1.85; 25 lbs., \$2.75. At Store—5 lbs., 60c; 15 lbs., \$1.50; 25 lbs., \$2.25.



R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

BUCHANAN'S DEPENDABLE INSECTICIDES

Most insecticides are poison, for the control of insects. Handle with care.

Post Paid Prices on This Page Through Third Zone Only



ZINC SULPHATE—Peach Bacterial Spot has become destructive in practically all sections of the South. Zinc Sulphate is the best control for this disease. Use it in each of the

summer sprays on peaches, beginning with the petal fall spray. Combine our Zinc Sulphate with whatever summer spray you are using on your peaches, at the rate of 2 pounds to each 50 gallons. If you are using as much as 4 pounds lime to 50 gallons water in your regular material, additional lime is not necessary; otherwise add 2 pounds lime to each 50 gallons. Price, post paid—1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.20; 25 lbs., \$2.75. At Store—1 lb., 15c; 5 lbs., 55c; 10 lbs., 95c; 25 lbs., \$2.25; 50 lbs., \$3.10.



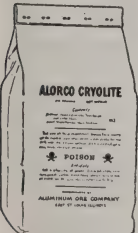
ORTHOL-K (Summer Oil)—Codling moths are present in most apple orchards in such large numbers that lead arsenate alone will not control them. A summer oil which kills the egg is a necessity. Orthol-K is a high quality summer oil for use on fruit trees and hardy deciduous shade trees and shrubs. It combines readily with Lead Arsenate, Dutox, Bordeaux Mixture, and 34 Copper. Used to control codling moth, red spider, mites, leaf hopper, pear psylla, etc. Cannot be used with Sulphur or Lime-Sulphur, or for ten days or two weeks after Sulphur or Lime-Sulphur applications. Write for booklet.

Price—Post paid, gal., \$1.25. At Store gal., \$1.10; 5 gals., \$4.25; 10 gals., \$8.25; 15 gals., \$12.00; 4 gals., \$32.40. Plus \$5.00 for drum. Must be returned at full value F.O.B. Memphis.



KLEENUP READY-MIX (Dormant Oil Spray)—An emulsifiable oil forming an emulsion when agitated in water. Inert ingredients are held to a minimum (approximately 1½%), making the active ingredients exceptionally high, 98½%. Kleenup Ready-Mix has many advantages over ordinary oil sprays in that it will not freeze in storage—no danger of broken emulsions; high active content requires less material per hundred gallons of spray; mixes readily with hard or soft waters by agitation; compatible with copper fungicides. Use, for dormant spraying only, 3 to 3½ gallons Kleenup with 97 or 96½ gallons water.

Post paid—Gal., \$1.10. At Store, gal., 85c; 5 gals., \$3.00; 10 gals., \$5.30; 15 gals., \$7.35; 54 gals., \$19.40. Plus \$5.00 for drum. Must be returned at full value F.O.B. Memphis.



CRYOLITE—(Results from use as an insecticide only)—Sold from its application on PEACHES, tobacco, beans, melons, cucumbers, cabbage and potatoes, show it to be safe, economical and superior to most insecticides for control of beetles and worms which attack these plants.

We recommend Alorco Cryolite above any other material for control of Mexican Bean Beetle, either as a spray or dust.

For dusting Cryolite may be used alone or it may be mixed with three to five parts of flour, sulphur, talc or road dust and applied with any suitable dusting apparatus.

For spraying, 1½ pounds of Cryolite are mixed with fifty gallons of water. Sulphur may be added to the spray mixture if a

fungicide is needed.

Cryolite should not be mixed with lime.

NO INJURY TO FOLIAGE—Severe tests with Alorco Cryolite show that it does not injure delicate foliage. Packed in 6 lb. packages. Price—Post paid, 6 lbs., \$1.30; 24 lbs., \$4.50. At Store, 6 lbs., \$1.05; 24 lbs., \$4.00; 48 lbs., \$7.44.

CARBON DISULPHIDE

Not Mailable

Used for controlling weevil in peas, beans, grains, etc. **Method of Treating**—Put seeds to be treated in an air-tight container, as a water barrel, strong goods box or metal container. For treating small lots, 2 ozs. of Carbon Disulphide per bushel is sufficient. Full directions on package. **Caution** Keep open fire, such as lanterns, matches, etc., away from Carbon Disulphide. Price—1 lb., 45c; 5 lbs., \$1.65; 10 lbs., \$2.85.



MOLOGEN—Non-poisonous to humans or pets. Does not injure soil or grass. With a teaspoon or small trowel, carefully make a small opening in the side of ridge, keeping it free of earth. Now put in the mole's underground passage or runway a teaspoonful of Mologen. Carefully cover the opening with the original sod or earth. This should be repeated several feet apart.

Prices—Post paid, ½ lb., 60c; 1½ lbs., \$1.40; 5 lbs., \$4.15. At Store, ½ lb., 50c; 1½ lbs., \$1.25; 5 lbs., \$4.00.

ATLACIDE—Chlorate Weed Killer represents the most effective method for killing weeds, Johnson grass, poison ivy and all undesirable vegetation when properly applied. It is non-poisonous to human, animal or bird life. It has no odor and is harmless to the hands. It is ideal for killing weeds in driveways, paths, brick walks, cobble gutters, tennis courts, playgrounds, athletic fields and along fence lines. If you want to rid your farm of patches of Johnson grass, we urge you to use Atlacide Chlorate Weed Killer. Circulars mailed on request.

ATLACIDE
CHLORATE WEED KILLER

Price at Store, 100 lbs., \$10.00. No small packages available this year.

ACME COPPER SHIELD PRUNING PAINT—A specially prepared liquid paint containing 2% copper for treating wounds left by pruning, storms, or accident, to prevent such diseases as European Canker Fungus, Hard Rot, and certain other fungi. Copper has no equal as a fungus preventative. Forms a protective shield while the tree is naturally overcoming the shock. Covers twice as much surface as the ordinary pruning compound.



Post paid—½ pt., 40c; pt., 55c; qt., 90c; gal., \$2.65. At Store—½ pt., 30c; pt., 45c; qt., 75c; gal., \$2.35.

GARDEN GUARD (Pyrethrum Dust)—Not poisonous; highly effective against both chewing and sucking insects but leaves no poisonous residue. Women especially, prefer using this dust on their flowers. Dust plants thoroughly, covering both upper and lower sides of foliage, hitting all insects to be controlled. Especially recommended for use on beans, peas, cabbage, cauliflower, greens, etc. Apply about 20 lbs. per acre.



Price—Post paid, 1 lb., 45c; 4 lbs., 85c; 24 lbs., \$3.94. At Store, 1 lb., 35c; 4 lbs., 65c; 24 lbs., \$3.54.

CORROSIVE SUBLIMATE

Used for treating sweet potatoes before bedding to prevent black rot. One ounce will make 8 to 10 gallons of solution.

Post paid—¼ lb., \$1.15; 1 lb., \$3.85; 5 lbs., \$17.75. At Store—¼ lb., \$1.10; 1 lb., \$3.75; 5 lbs., \$17.50.

Buchanan's Gnat Oil

It is harmless to stock when sprayed or brushed on. The deadly Buffalo Gnat comes every year, killing many mules and horses, and under light infestations they cause sickness and prevent maximum work. Flies on work stock interfere with normal rest, spread diseases and prevent normal performance. On dairy cows milk production is very much decreased by flies and much inconvenience is caused at milking time.

Buchanan's Gnat and Fly Repellent is ready to use and we believe if sprayed on freely it will repel gnats and flies longer than any other spray.

Do not spray directly over milk vessels. Have some of this inexpensive repellent ready before these pests arrive.

Post paid—Gal., 85c. At Store, gal., 60c; 5 gals., \$1.75; 10 gals., \$3.25; 25 gals., \$7.50.

FOR QUANTITY PRICES—NOT PREPAID—See Yellow Sheet in Center of Catalogue



R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

Post Paid Prices on This Page Through Third Zone Only—See Quantity Prices on Yellow Sheet



BORDEAUX MIXTURE (SOLD FOR AGRICULTURAL PURPOSES ONLY)—A spray for fungous diseases of fruit trees, shrubs, and flowers, especially black spot on roses. Fungous troubles must be prevented by spraying at regular intervals. Frequently apples and pears bloom beautifully and do not set any fruit due to blight.

To prevent fire blight or blossom blight of apples or pears spray with a 1-3-50 strength Bordeaux when about one-third open and again when approximately all the blossoms are open. Price—post paid—1 lb. bag, 40c; 4 lbs., 95c; 12 lbs., \$2.25; 24 lbs., \$4.00. At Store—1 lb. bag, 30c; 4 lbs., 75c; 12 lbs., \$1.95; 24 lbs., \$3.60.



DUTOX (for Chewing Insects)

It can be applied as a dust alone (six pounds per acre) or diluted with four or five times its weight of lime, road dust or some other inert material, and the gun set so as to deliver enough of the mixture to give six pounds of Dutox to the acre. As a spray use 2 pounds of Dutox to 50 gallons of water. Dusting can be done on beans when leaves are wet without danger of burning foliage. Dutox is recommended for use against Mexican bean beetle, striped and spotted cucumber beetle, Colorado potato beetle, egg-plant beetle, blister beetle, cabbage worm and tomato worm. Price—post paid—1 lb., 45c; 6 lbs., \$1.45; 36 lbs., \$7.80. At Store—1 lb., 35c; 6 lbs., \$1.25; 1 case, 36 lbs., \$7.20.



SULFURON (Micro-fine Wettable Sulphur)—Sulphur is a specific for the control of many diseases such as apple and peach scab, the brown rot of peaches, plums and other stone fruits, the powdery mildew of various plants, carnation and snapdragon rust, and the black spot of roses. It is also used in the control of such mites as the common red spider which attacks many kinds of plants. Sulfuron is a specially prepared, finely divided product. It is instantly wettable and disperses uniformly in water. May be dusted or sprayed. Full directions on each package. Packed in 6-lb. pkgs. only. Post paid—6 lbs., 85c; 12 lbs., \$1.45; 24 lbs., \$2.45. At Store—6 lbs., 65c; 12 lbs., \$1.20; 24 lbs., \$2.00; 48 lbs., \$3.84.

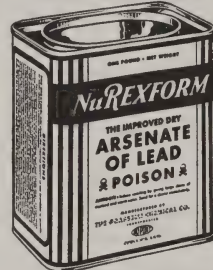
"34" COPPER FUNGICIDE—(Sold for agricultural purposes only). Is highly efficient and yet very safe. It will remain toxic over longer periods of time than bluestone, bordeaux and other copper fungicides, and therefore, more effective. Can be used as a dust or spray. As a spray "34" Copper Fungicide is used for the same purposes as bordeaux and bluestone, but in smaller quantities. Use 3 lbs. per 100 gals. of oil emulsion spray for control of peach leaf curl. We recommend 3 lbs. per hundred gals. of spray for control of bitter rot and blotch of apples and black rot and mildews of grapes. If fungus troubles are not severe, 2 to 2½ lbs. may be used per 100 gals. of spray. No lime is necessary when "34" Copper Fungicide is used without arsenicals. When arsenicals are used 4 lbs. lime per 100 gals. spray must be added. As a dust it is used on beans, tomatoes, potatoes, cucumbers, and other truck crop vegetables. Post paid—6 lbs., \$1.45; 12 lbs., \$2.60; 24 lbs., \$4.80. At Store—6 lbs., \$1.30; 12 lbs., \$2.35; 24 lbs., \$4.35; 48 lbs., \$8.15.

TRI-GEN—The complete spray treatment for roses. Kills chewing insects, aphids, plant lice, thrips, leaf hoppers, beetles, rose chaffer, white fly, lace wing fly and in addition, controls diseases such as black spot, rust, mildew, blight. Stimulates growth. Harmless to foliage and blooms. Small Kit, makes 16 qts.—\$1.50. Post paid \$1.70. Medium Kit, makes 64 qts.—\$4.00. Post paid \$4.25. Large Kit, makes 32 gals.—\$6.00. Post paid \$6.35.



PARIS GREEN (Poison)—Effective against the potato bug and tobacco and cotton worms and most leaf-eating insects. Not to be used on tender foliage such as the peach and the Japanese plum. Post paid—¼ lb., 20c; 1 lb., 62c; 5 lbs., \$2.35; 14 lbs., \$5.50. At Store—¼ lb., 15c; 1 lb., 52c; 5 lbs., \$2.15; 14 lbs., \$5.15.

DUST GUN (Loaded)—Ready to use An inexpensive dust gun containing 12 oz. of Pyrethrum powder which can be refilled. The ideal duster for the small vegetable or flower grower since the non-poisonous Pyrethrum dust controls both sucking and chewing insects. Convenient to dust in cracks and crevices for control of roaches and ants. Postpaid—55c. At Store, 45c.



ARSENATE OF LEAD NuREXFORM—for all chewing insect control—so different and superior it is patented. Spraying at best is a hard job. But when arsenate of lead won't spray uniformly—light and watery on one tree and heavy on another—settles in the tank, clogs screens and nozzles—it's simply impossible to do a good job of controlling insect pests. Perfect suspension in NuREXFORM goes much further than merely insuring a spray of uniform strength. It is also a factor in insuring an even spread over the foliage and fruit. Lead arsenate, as every grower knows, is used primarily against leaf-eating insects. If a spray is used that does not spread and cover evenly and uniformly, there are bound to be unprotected areas and such unprotected surfaces are open doors to the ravages of chewing insects. Price—post paid—¼ lb., 30c; 1 lb. bag, 40c; 4 lbs., 90c; 12 lbs., \$2.35; 24 lbs., \$4.34. At Store—¼ lb., 20c; 1 lb. bag, 30c; 4 lbs., 75c; 12 lbs., \$2.10; 24 lbs., \$3.84.

CALCIUM ARSENATE—Recommended by all experimental stations for cotton boll weevil also a sure control for army worms. Kills effectively potato bugs, tomato worms and other chewing insects. Dust or spray. Price—post paid—1 lb. bag, 30c; 4 lbs., 65c; 12 lbs., \$1.70; 24 lbs., \$3.15. At Store—1 lb., 20c; 4 lbs., 50c; 12 lbs., \$1.45; 24 lbs., \$2.70.



ACME KOPPER QUEEN (Mildew and Black Spot Spray)—A strong liquid copper spray for the control of mildew and black spot on rose bushes, flowers, and many other kinds of foliage. Stainless, leaves no unsightly residue which detracts so much from the appearance of flowers and ornamentals in your yard. Being a liquid concentrate it is more easily diluted and sprayed than Sulphur and Bordeaux. Post paid—¼ pt., 45c; pt., 70c; qt., \$1.00; gal., \$2.50. At Store—¼ pt., 35c; pt., 60c; qt., 90c; gal., \$2.25.

SUPERFINE SULPHUR—325 Mesh—For dusting cotton hoppers, red spider, mildew on roses and for use with lime in making self-boiled lime sulphur solution. Price, post paid—1 lb., 20c; 5 lbs., 55c; 10 lbs., 95c; 25 lbs., \$1.90. At Store—1 lb., 10c; 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.40; 50 lbs., \$2.30; 100 lbs., \$4.10.

TRIANGLE SULPHUR—200 Mesh—Post paid—1 lb., 20c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.65. At Store—1 lb., 10c; 5 lbs., 35c; 10 lbs., 65c; 25 lbs., \$1.15; 50 lbs., \$2.00; 100 lbs., \$3.35.

CHAMPION TREE KILLER—Kills Trees, Shrubs, Sprouts in 3 to 10 Days—Rid your fields of useless plants and trees that shade growing crops. IT IS A POISON. Full directions on each container. Post paid—Qt., 65c; gal., \$1.50. At Store—Qt., 50c; gal., \$1.25; 5 gals., \$5.50; 10 gals., \$11.00; 30 gals., \$30.00.



R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

PRICES ON THIS PAGE POST PAID THROUGH THIRD ZONE ONLY

Most insecticides are poison and should be kept locked when not in use



NEW EVER GREEN SPRAY

New Ever Green contains spreader, therefore you simply dilute with water and spray. This is a Pyrethrum insecticide, for killing plant lice, cabbage worms, cutworms, cucumber beetle, thrips, rose slugs, rose chaffer, squash beetles, leaf hoppers, potato bugs or beetles, bean beetle, Japanese beetle. Full directions on each package. **Post paid—1 oz. (makes 6 gallons of spray), 40c; 6-oz. bottle, \$1.10; 1-pt. bottles, \$2.25. At Store—1 oz., 35c; 6 ozs., \$1.00; 1 pt., \$2.15.**



BLACK LEAF 40—A nicotine solution for destroying aphids and lice, in orchards; on both garden and flowering plants. A teaspoonful makes three quarts of solution. This is one of the most effective preparations for general sucking insects. Kills by contact and fumes. A remarkable control for poultry lice, that does away with dusting, dipping or greasing, and yet absolutely effective. Simply paint the perches shortly before roosting time. **Post paid—1 oz., 35c; 5 ozs., \$1.10; 1 lb., \$2.40; 2 lbs., \$3.50; 5 lbs., \$6.85; 10 lbs., \$11.95. At Store—1 oz., 32c; 5 ozs., \$1.00; 1 lb., \$2.27; 2 lbs., \$3.30; 5 lbs., \$6.60; 10-lb. tin, \$11.65.**



TOBACCO DUST—Convenient, inexpensive, control for most plant lice and aphids. Dust when there is no wind. Our tobacco dust is of extra fine quality, very strong in nicotine content. **Post paid—1 lb., 20c; 3 lbs., 40c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.45. At Store—1 lb., 10c; 3 lbs., 25c; 5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.00.**

CRO-TOX—Protects corn from Crows, blackbirds and moles. It aids and hastens germination, which means healthier stalks and larger yields per acre. Cro-Tox will not kill birds or animals. Saves seed loss. $\frac{1}{2}$ -pint can, treats 1 bushel seed corn. **Post paid— $\frac{1}{2}$ pt., 70c; 1 pt., \$1.10; quart, \$1.65. At Store— $\frac{1}{2}$ pt., 60c; pt., \$1.00; quart, \$1.50.**



NURSERY-VOLCK—For the garden, greenhouse, florist and nurseryman. It successfully controls scale, mealy bug, white fly, red spider, and mites, aphids, and many other insect pests. Rose mildew is prevented by spraying with VOLCK. Full directions on each can. **Price—post paid— $\frac{1}{2}$ pt., 45c; 1 qt., 90c; 1 gal., \$2.50. At Store— $\frac{1}{2}$ pt., 35c; 1 qt., 75c; 1 gal., \$2.25; 5 gals., \$9.00.**



Applying Paradichlorobenzene

4 years old use one ounce and for abnormally large trees use $1\frac{1}{2}$ to 2 ounces. **Post paid—1 lb., 45c; 5 lbs., \$1.45; 10 lbs., \$2.50; 25 lbs., \$4.75. At Store—1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$4.25; 50 lbs., \$8.00.**

DERRIS DUST MIXTURE—An economical combination of Derris and sulphur which acts as a fungicide and insecticide. It controls the majority of sucking and chewing insects which do the most damage to your vegetables. One of the surest and safest controls for Mexican Bean Beetle. Apply with dust gun under-side of leaves. It is deadly to all forms of insect life yet perfectly safe to use on vegetables when applied according to directions as it contains no arsenic or other poisons dangerous to humans or animals. **Post paid, 1 lb., 30c; 5 lbs., \$1.00; 25 lbs., \$4.00. At Store, 1 lb., 20c; 5 lbs., 80c; 25 lbs., \$3.40; 50 lbs., \$6.25.**



NOTICE

DERRIS DUST AND SLUG SHOT can be sold for use on certain food crops only, but not including cotton, tobacco, cranberries, egg plants, cucumbers, melons, and similar vine crops, onions, peppers, and sweet corn.

SLUG SHOT—A non-poisonous dust or spray for controlling chewing and sucking insects on flowers and vegetables. It does not injure foliage and acts in some measure as a fungicide. In use for over 50 years.

Post paid—1 lb., 40c; 5 lbs., \$1.40; 10 lbs., \$2.50; 25 lbs., \$4.00. At Store—1 lb., 30c; 5 lbs., \$1.20; 10 lbs., \$2.30; 25 lbs., \$3.50.



DRY LIME-SULPHUR—For dormant spraying against San Jose scale and peach leaf curl use 15 pounds of Dry Lime Sulphur to each 50 gallons of water. For summer spraying against apple scab, pear scab, apple powdery mildew and red spider use 3 to 4 pounds of Dry Lime Sulphur to 50 gallons. **Post paid—1 lb., 45c; 5 lbs., \$1.50; 12 $\frac{1}{2}$ lbs., \$1.80; 25 lbs., \$3.25. At Store—1 lb., 35c; 5 lbs., \$1.35; 12 $\frac{1}{2}$ lbs., \$1.50; 25 lbs., \$2.75; 50 lbs., \$5.25.**



FISH OIL SOAP (40% Potash)—A soap effective as a spreader and in destroying many sucking insects on plants, trees and ferns. For mild forms of scale. An excellent summer spray, when something stronger cannot be used for San Jose scale. **Post paid—1 lb., 40c; 5 lbs., \$1.35. At Store—1 lb., 30c; 5 lbs., \$1.15; 25 lbs., \$3.50.**

RED ARROW is a concentrated extract of pyrethrum flowers combined with spreader. Because it kills on contact, it is deadly to both chewing and sucking insects. Red Arrow is perfectly safe, nonpoisonous to human beings; cannot discolor blossoms or injure plants. One-ounce bottle makes 8 gallons. **Price, post paid—1 oz., 40c; 4 ozs., \$1.10; 1 pt., \$2.95; 1 qt., \$5.15. At Store—1 oz., 35c; 4 ozs., \$1.00; 1 pt., \$2.85; 1 qt., \$5.00.**



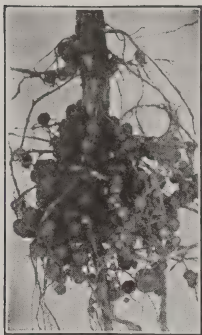
GRAFTING WAX—Used for grafting scions on trees, healing cuts around the graft. Full directions on each package. **Post paid— $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; 1 lb., 60c. At Store— $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; 1 lb., 50c.**

ETHYLENE DICHLORIDE EMULSION—Best peach and plum tree borer control. You dilute our emulsion with equal amount of water or more depending on age of trees to be treated. Applications are made by wetting the soil immediately surrounding the tree. Do not let the material come in contact with the tree. Ethylene Dichloride Emulsion has two distinct advantages over Paradichlorobenzene. It may be used with little or no preparation of the soil before treatment and it is not necessary to mound up afterwards, but, it is advisable to throw a few shovels of dirt around the tree trunk. It may be applied in fall, winter or spring but by all means apply it in fall if possible. Gallon treats 40 four- to five-year trees or 55 three-year trees. Full directions on each package. **Price, post paid—Pt., 45c; qt., 80c; $\frac{1}{2}$ gal., \$1.20; 1 gal., \$1.85. At Store—Pt., 30c; qt., 60c; $\frac{1}{2}$ gal., 95c; gal., \$1.50; 5 gals., \$6.00.**

PARADICHLOROBENZENE—An effective peach and plum tree borer control. Apply in Upper South September 15 to October 1; Middle South October 1 to October 15; Lower South October 15 to November 15. Can also be used in the spring. Use only $\frac{1}{4}$ ounce on two-year old trees; $\frac{3}{4}$ ounce for three-year old trees. For trees



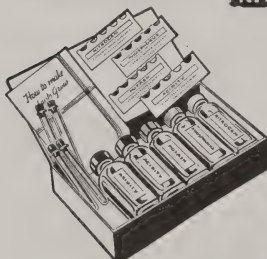
ALL PRICES ON THIS PAGE POST PAID



SOYBEAN root with nodules produced by NITRAGIN inoculation. NITRAGIN bacteria within the nodules aid in producing higher protein hay, more soybeans and richer soil.



Vetch and Austrian Peas are planted to enrich the soil. They will not do this unless inoculated.



SOIL TEST KIT

Larger; makes more tests than above kit; cased in handsome sturdy imitation leather. Ideal for Agricultural Teachers classroom demonstrations.

FIRST, the Sudbury Soil Test Kit measures the acidity of the soil—showing how much lime is required by your plants and grasses.

SECOND, it tests for the three essential plant food elements—nitrogen, phosphorus, potash—showing the kind and amount of fertilizer to apply.

Simple instructions and data on plant needs accompany each kit.

Price at Store, \$4.75.

APPROX. 70,000,000 LBS. OF AIR-NITROGEN ABOVE EVERY ACRE. THIS IS AVAILABLE FREE FOR SOIL AND CROP IMPROVEMENT IF YOU

CONVERT LEGUME SEEDS INTO FERTILIZER PLANTS

Inoculating with

NITRAGIN

SINCE 1898

ALFALFA RED CLOVER SWT. CLOVER COWPEAS PEAS VETCH A. W. PEAS SOYBEANS LESPEDEZA PEANUTS BEANS ALL-LEGUMES

BUILD UP YOUR SOIL Inoculate Your Legumes With NITRAGIN

Many believe once a field has been planted with inoculated Legume seeds that any future similar Legumes planted on the same field need not be inoculated. Field tests have shown that better crops are harvested when Legume seeds are inoculated even when planted on fields where inoculated seeds of the same Legume crops had grown the previous year. It seldom pays to depend upon natural inoculation. The safest method is to inoculate legume seed each time the seed is planted.

NITRAGIN Inoculation Prices. When Ordering, ALWAYS State Name of Seed

ALFALFA Sweet Clover, Bur Clover, Hubam Clover

Size	Retail
1/2 bu. ea.....	\$.30
1 bu. ea.....	.50
2 1/2 bu. ea.....	1.00

CLOVERS

Medium and Mammoth Red, Alsike, Crimson and White Clovers

Size	Retail
1/2 bu. ea.....	\$.30
1 bu. ea.....	.50
2 1/2 bu. ea.....	1.00

BEANS

Size	Retail
String, Wax, Kidney	
1/2 bu. ea.....	\$.25
1 bu. ea.....	.35
1 1/2 bu. ea.....	.50

PEAS (All Varieties)

VETCHES (All Varieties)

Size	Retail
1/2 bu. ea.....	\$.25
1 bu. ea.....	.35
1 1/2 bu. ea.....	.50
12 1/2 bu. ea.....	3.50

LIMA BEANS, COW PEAS and PEANUTS

Size	Retail
Small (Inoculates up to 120 lbs. seed)	\$.30
5 bu. ea.....	.55
25 bu. (one can) ea.	2.50
30 bu. (one ctn.) ea.	3.25
(Contains 6-5 bu. cans)	

SOYBEANS (All Varieties)

Size	Retail
Small (Inoculates up to 120 lbs. seed)	\$.30
5 bu. ea.....	.55
25 bu. (one can) ea.	2.50
30 bu. (one ctn.) ea.	3.25
(Contains 6-5 bu. cans)	

LESPEDEZA

Size	Retail
Small (Inoculates up to 50 lbs. seed)	\$.35
Large (Inoculates up to 100 lbs. seed)	.50

GARDEN SIZE

Garden Peas and Beans Sweet Peas and Lupines Enough for 6 lbs. seed Retail Price 10c each.



Young ALFALFA root with nodules produced by NITRAGIN inoculation. NITRAGIN bacteria within the nodules aid in producing higher protein hay, increased yields, and richer soil.



RED CLOVER root with nodules produced by NITRAGIN inoculation. NITRAGIN bacteria within the nodules aid in producing higher protein hay, increased yields, and richer soil.

NITRAGIN—the Oldest and Most Widely Used Inoculator in America

HOME GARDENER'S SOIL TEST KIT

The ideal introductory kit. Easy to use. Tests for nitrogen, phosphorus, potash and acidity. Gives all essential information for successful lawn or garden. Helps the gardener grow more beautiful flowers and more delicious vegetables.

Post paid, \$1.95; at Store, \$1.75.

For Growing Healthier Plants

VITAMIN B₁

(Pure Crystalline Powder)

For example, tea rose buds 5 inches long; snapdragons 6 1/2 feet tall have been produced by using Vitamin B₁. It does not replace fertilizer, but is strictly a root re-invigorator which enables the plant to gain the greatest possible benefit from the soil. Most plants need this essential growth factor, so important to the health and vigor of garden and house plants, roses, shrubs, trees and lawns.

Sold in three popular forms—tablets, liquid or powder. Simply mix with water as directed and apply with a sprinkling can. Complete directions give new facts on how to get results with Vitamin B₁.

40 Tablets (makes 40 gals.).....	10c
100 Tablets (makes 100 gals.).....	25c
250 Tablets (makes 250 gals.).....	50c
1-oz. Liquid (makes 140 gals.).....	25c
2-oz. Liquid (makes 320 gals.).....	50c

HOME GARDEN KIT—100 milligrams crystalline powder and kit for making basic solutions. Economical for large users. Makes 2,000 gallons.\$1.00



BUCK BRAND TESTED SEEDS

HOW TO USE BUCHANAN'S FERTILIZERS

Fifty to seventy-five pounds of Victory Garden Fertilizer is sufficient for a garden 40 x 50 feet.

Fertilizer can always be used to good advantage by opening up the row, sprinkling thinly the fertilizer; cover same with a little soil and sow your seed. Or it can be used by working into the soil along the rows after the plant is up, care being taken not to let it come in contact with the leaves or stem of the plant. For plants that are transplanted, work the fertilizer into the soil thoroughly before transplanting, using from a teaspoonful to a small handful, according to the size and nature of the plant.

CAUTION

We can not sell any fertilizer containing chemical nitrogen for use on lawns, golf courses, parks, cemeteries, roadsides, or non-commercial plantings of trees, shrubs or flowers.

We can not sell any fertilizer containing chemical nitrogen for use on melon or cucumber crops.

We can not sell any mixed fertilizer containing chemical nitrogen for use prior to July 1, 1943 on small grains to be harvested for grains.

We can not sell any fertilizer containing chemical nitrogen, for use on Victory gardens, other than 3-8-7 listed below and Vigoro as long as our present stock of Vigoro lasts.

For prices on larger quantities of Fertilizer see Yellow List in center of catalogue.

VIGORO

THE COMPLETE,
BALANCED PLANT FOOD



Scientists have shown that all plants require 11 different food elements from the soil if they are to have normal growth and development. That's why we recommend VIGORO for everything you grow. Vigoro, the complete, balanced plant food made by Swift, contains every one of these 11 needed elements in proper proportion.

Vigoro is clean, sanitary, and odorless... and it's the most economical plant food you can buy when you consider results obtained because it is a complete food!

Vigoro is a scientific product that was created to meet the needs of all plant life. Experiments and years of research proved that only a complete plant food would prove satisfactory.

Post paid—tablets 10c box; 1 lb., 20c; 5 lbs., 65c; 10 lbs., \$1.15; 25 lbs., \$1.90. At Store—1 lb., 10c; 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

VICTORY GARDEN FERTILIZER

Sold for Food Production Only

3% Nitrogen, 8% Phosphate, 7% Potash

This is the only fertilizer containing chemical nitrogen which can be sold for gardens planted for non-commercial production of vegetables and small fruits. A well balanced complete fertilizer which should be used this year on all home gardens to increase food production.

WRITE FOR PRICES

MURIATE OF POTASH (50% Available Potash)—Highly recommended for fertilizing cotton to prevent rust and wilt and to improve the staple. For cotton and grains, 25 to 50 pounds to acre; for potatoes, turnips and truck crops, 50 to 150 pounds to acre.

Price, post paid—5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.60. Price not prepaid—5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.65.

ALUMINUM SULPHATE—When applied 2 pounds per 20 square feet will make soil more acid, giving acid-loving plants like azaleas vigor and profuse blossom.

Prices, post paid—1 lb., 20c; 5 lbs., 60c; 10 lbs., 95c. Not prepaid—1 lb., 10c; 5 lbs., 40c; 10 lbs., 70c; 15 lbs., 90c.



PLANTABBS

Fulton's Plantabbs in tablet form are a complete, balanced plant food plus Vitamin B₁ in a form so simple and easy to use that it is impossible to go wrong. This unusual complete concentrated fertilizer and Vitamin B₁ root stimulant will work wonders on your house and garden plants. Rejuvenates sickly plants almost overnight, increasing number and size of blossoms.

Post paid—10 tablets, 10c; 30, 25c; 75, 50c; 200, \$1.00; 1,000, \$3.65.

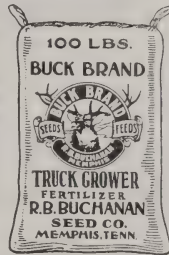
BUCHANAN'S TRUCK GROWER

Can be used only on certain field crops and orchards

4% Nitrogen, 8% Phosphate, 4% Potash

This perfectly balanced fertilizer is best suited to average soils and to the largest number of crops, especially corn and cotton. A very popular fertilizer among market growers who wish to get their crops on the market early. Apply 300 pounds to 600 pounds to acre, depending on soil and crop grown.

At Store—25 lbs., 75c; 50 lbs., \$1.10.



BONE MEAL

Can be used for any purpose

A fertilizer for all purposes; safe and effective. Excellent for roses, flowers, lawns and shrubbery. Will not burn plants; slow acting and lasting in effect, therefore the ideal fertilizer to use when planting any bulbs. Apply 10 pounds per 100 square feet.

Post paid—5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.55. At Store—5 lbs., 25c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.75.

NITRATE OF SODA

Can be used only on certain field crops and orchards

The most readily available source of nitrogen. When used on cotton and corn, it is not unusual for the yield to be doubled. On field crops use about 150 lbs. to acre.

Write for prices

ACID PHOSPHATE 18%

Can be used for any purpose

Is recommended for all legume, grain and pastures and for applying to all land deficient in phosphoric acid. A liberal supply of phosphate is necessary for plants to set and develop fruit and grain in large quantities. Apply 300 to 400 pounds to the acre.

Price, post paid—5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.15. Not prepaid—5 lbs., 20c; 10 lbs., 35c; 25 lbs., 65c; 50 lbs., 95c.

PEAT MOSS HORTICULTURAL

Peat Moss will prepare any soil for lawn or garden purposes and will improve the growing conditions. It is especially adapted to loosen up tight, clay soil, thereby making the soil retain moisture which will liberate plant food and holds it over long periods of time for the constant use of plant roots. Neither water nor food leach away, enabling you to make a veritable plant paradise out of any type soil.

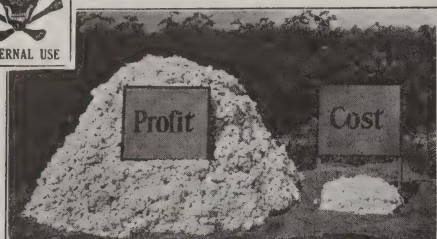
Prices, at Store—50 lbs., \$1.35; 1 bale (20 bu.), \$3.50.



MISCELLANEOUS



DU BAY SEED DISINFECTANTS



2% CERESAN FOR COTTON AND PEAS

Improves Stands and Yields—2% Ceresan treated cotton seed in forty tests on farms in the south produced almost 60% better stand before chopping than untreated seed; 30% more plants after chopping and 16.2% greater yield at picking time. Treated seed can be planted earlier as it reduces damping off, prevents rotting in cold, wet, soil and controls such diseases as anthracnose and angular leaf spot. 9 oz. treats 100 lbs. seed.

Prices—Post paid—1 lb., 85c; 5 lbs., \$3.50; 25 lbs., \$14.95. At Store—1 lb., 75c; 5 lbs., \$3.30; 25 lbs., \$14.50; 100-lb. drum, \$52.00.

SEMESAN—For Bulbs, Flower and Vegetable Seeds

Hastens and increases germination; produces stronger, more vigorous plants, arrests or destroys most of the diseases carried on the surface of seeds and bulbs. By treating bulbs and seeds you can have earlier flowers and vegetables. 1 oz. treats 15 to 30 lbs. of seed.

Prices—Post Paid—1/3 oz., 10c; 2 ozs., 45c; 1 lb., \$2.60; 5 lbs., \$11.60. At Store—1/3 oz., 10c; 2 ozs., 40c; 1 lb., \$2.50; 5 lbs., \$11.40.



NEW SEMESAN BEL—For Potatoes

Seed potato treatment with New Improved Semesan Bel gave an average increase in yield of 35.4 bushels per acre, by controlling seed borne and soil borne diseases, reducing seed rotting and improving stands. Costs 1 1/2c to 3c per bushel, as one pound treats 60-80 bushels of seed. **Prices**—Post Paid—2 oz., 35c; 1 lb., \$1.75; 5 lbs., \$7.35; 25 lbs., \$33.70. At Store—2 ozs., 30c; 1 lb., \$1.65; 5 lbs., \$7.15; 25 lbs., \$33.25.



NEW IMPROVED SEMESAN JR.—For Corn

Protects seed corn from rotting, allows earlier planting, hastens and increases germination and produces sturdier plants; controls seedling blight, reduces root and stalk rots, makes the stalk stand up better, improves the ear and increases the yield. 1 1/2 ounces treat a bushel of shelled corn.

Prices—Post Paid—1 1/2 ozs., 15c; 1 lb., 85c; 5 lbs., \$3.20; 25 lbs., \$12.95. At Store—1 1/2 ozs., 15c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$12.50.



NEW IMPROVED CERESAN

For small grains, sorghum, millet and cotton. Controls nearly all types of smut which is so destructive to oats, barley and wheat thereby frequently increasing yields from 6 to 18%—adding a real profit to your crops. 1 oz. treats bushel of grain.

It is widely used on cotton as it is so economical. 1 1/2 oz. treats bushel.

Post Paid—4 ozs., 35c; 1 lb., 90c; 5 lbs., \$3.60; 25 lbs., \$15.45. **At Store**—4 ozs., 30c; 1 lb., 80c; 5 lbs., \$3.40; 25 lbs., \$15.00; 100 lbs., \$55.00.



RAIN can't harm



FROST can't hurt



INSECTS can't touch



Germâco

Hotkaps

Crop Failure Is Costly

Protection Is CHEAP!

Mature your crops 2 to 3 weeks earlier. Get premium prices for your commercial crops and earlier vegetables in your home garden by protecting your plants with Hotkaps. These form miniature hothouses over each plant, completely protecting them from rain, frost and insects.

	Post-paid	At Store
25 Hotkaps with Setter	\$ 0.65	\$ 0.50
100 Hotkaps with Setter	2.15	1.95
250 Hotkaps with Setter	3.75	3.50
500 Hotkaps with Setter	6.45	6.00
1000 Hotkaps without Setter	11.60	11.00
5000 Hotkaps without Setter, per M.	107.5	

AGRICULTURAL TEACHERS' SEED SAMPLES

We furnish seed sample cases (picture below) to agricultural teachers for seed identification instructions in their classes only. Packed 24 to the case. Frequently it is impossible to send the exact varieties you order since we seldom stock seed except in the active planting season, so we suggest that you list more than 24 varieties in the position of their importance. We postpay this sample case for \$1.25.



Seed Samples



R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

PEST CONTROLS—MEAT CURING SUPPLIES

KILLS RATS



without poison

K-R-O is made of red squill, an ingredient recommended by U. S. Government as sure death to rats and mice but which will not kill anything else. K-R-O killed 238 rats in 12 hours on a Kansas farm.

K-R-O
KILLS-RATS-ONLY

K-R-O Prices—Small size, post paid, 80c; at Store, 75c. Large size, post paid, \$2.10; at Store, \$2.00.

RED CHECK RAT AND MOUSE EXTERMINATOR



FORMERLY RED CROSS

One of the most popular and effective controls for rats and mice. Extremely poisonous, therefore, requires only a small amount to get results. Postpaid, 30c and 55c. At Store 25c and 50c.

COWLEY'S RAT AND MOUSE EXTERMINATOR

A very effective and easy to use rat and mouse exterminator. No mixing needed, it is a prepared liquid which attracts rats and mice; just pour it in small vessels and set near runways. Postpaid 6 oz., 50c. At Store, 40c.

SANASEED

SURE DEATH TO MICE

A scientifically poisoned seed which mice prefer to other food. Ready for instant use. No muss to clean up. Does not poison children or pets.

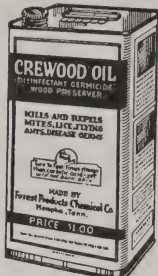
Post Paid—Pkg., 15c.



BEE BRAND

World's Largest Selling Insect Powder

—because it is certain death to flies, fleas, ants, moths, lice, mosquitoes, roaches and other household and poultry insects. Absolutely harmless to humans, animals and pets. Postpaid—2½ ozs., 25c; 6 ozs., 50c; 11 ozs., \$1.10.



CREWOOD OIL

Paint or spray the poultry house with Crewood Oil. Insects, mites or lice can not survive where it is. It is a special distilled wood creosote that soaks into the wood and kills the germs and mites instantly. Prices at Store:

1-gal. can . . . \$0.90
2½-gal. drum . . 1.50
5-gal. drum . . . 2.50
10-gal. drum . . . 4.75

ACME ANT KILL JR. SET

Contains 2 ozs. syrup with two cups. Price—One Set, 35c; post paid, 45c.



COTTAGE SET

Contains 3 oz. bottle syrup, 5 cups. The special patented cup, with its anchoring means, protects birds, fowls, and pets from the syrup while giving easy access to auto. Use indoors or out. Price—1 Set, 60c; post paid, 75c.

TERRO Ant Killer

Will rid your place of ants in 24 hours. Dead sure and quick relief from annoying ants. Simply pour the preparation where ants enter the house or where they travel. Price—post paid, 1¼ oz., 35c; at Store, 25c.

MOUSE SEED KILLS MICE

A poisoned seed which is scientifically treated to attract mice. A clean, deadly mouse exterminator that never fails to get them. No preparation necessary; the seed is all you need. Post paid—Pkg., 30c.



MEAT PUMP

By pumping hams and shoulders next to the bone with this unique meat pump using Morton's Tender-Quick the cure starts working at the same time from the inside out as well as the outside in. This durable, seamless brass meat pump is almost positive insurance against losing your meat. Each, post paid, \$1.60; At Store, \$1.50.

OLD SMOKEHOUSE LIQUID SMOKE

An original liquid formula to be brushed on meat after salting in the usual way. It will give a cure equal to the old smoking methods. Post paid, pt., 55c; qt., \$1.10; At Store, pt., 45c; qt., 90c.

\$1,000 Roach Killer, Post paid—Pkgs., 40c, 75c, \$1.35.

\$1,000 Rat and Mice Killer, Post paid—Pkgs., 40c, 75c.

\$1,000 Flea Killer, Post paid—½ pt., 35c; pt., 60c; At Store, 25c and 50c.

\$1,000 Moth Killer, Does not stain. Post paid, pt., 90c; At Store, 75c.

\$1,000 Bed Bug Killer, Eradicate this embarrassing pest. Post paid—pt., 45c; qt., 80c; At Store, 35c and 65c.



FIGARO is liquid smoke made from the best smoking woods, in condensed form. Simply brush FIGARO on the meat, after removing the coating of the cure from the meat by dipping in hot water, and allow to drain and dry from 24 to 48 hours. Directions on each bottle.

Price—at Store—½ pt., 50c; 1 pt., \$1.00; 1 qt., \$1.50. Post paid—½ pt., 60c; 1 pt., \$1.15; 1 qt., \$1.70.



Is an improved meat curing salt—a perfect blending of salt, sugar - cure and smoke. Easy to use. With Morton's Smoke Salt you salt-cure, sugar-cure and mildly smoke the meat all at the same time. 10-lb can cures 100 lbs. of meat. 2½

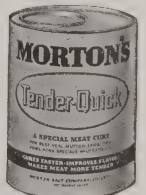
lb. can, 25c; post paid, 35c; 10 lb. can, 90c; post paid, \$1.15.



MORTON'S SEASONING

A complete carefully blended mixture that takes the guesswork out of seasoning. Primarily for seasoning sausage but also excellent for stuffings, etc. Post paid—3 ozs., 15c; 10 ozs., 35c; 1 lb., 60c; At Store—3 ozs., 15c; 10 ozs., 25c; 1 lb., 50c.

Morton's Tender-Quick is a special meat cure to pump around the bones of hams and shoulders with meat pump. Price, post paid—2½-lb. can, 65c; 10 lbs., \$2.25; At Store, 2½ lbs., 50c; 10 lbs., \$2.00.





R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

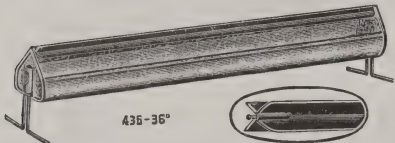


Trough is made of heavy gauge galvanized steel. Die stamped in one piece. Holds either feed or water. Revolving metal reel prevents chicks roosting or getting into trough. Made in three popular lengths. A big value.

No. 104—10 in. long. Postpaid, 20c; at Store, 13c.

No. 105A—18 in. long. Post paid, 30c; at Store, 20c.

No. 106A—24 in. long. Post paid, 45c; at Store, 30c.

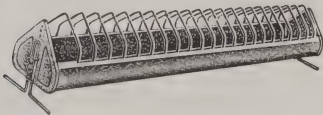


For chicks day old to 10 weeks.

Revolving metal reel prevents chicks roosting or getting into trough. Reel adjustable to three positions. A real all-purpose feeder at low price.

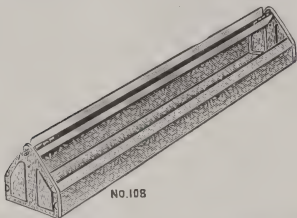
No. 436—3 feet long, with adjustable legs. Prepaid, 85c; at Store, 65c.

No. 448—4 ft. long. Prepaid, \$1.00; at Store, 80c.



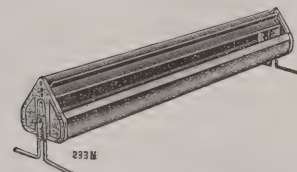
This new type feeder can be used for chicks from three weeks old to full grown. Roost-proof wire grill is electric welded. Each feeder complete with quick adjustable stands. Height of trough can be increased as chicks grow.

No. 3942W—42 inches long. Post paid, \$1.75; at Store, \$1.40.



No. 109—For starting day-olds and feeding up to 6 weeks. Two position adjustment of revolving reel.

No. 109—3 ft. long. Post paid, 60c; at Store, 45c.



NEW GRO-FAST FEEDER

Adjustable stand; easy to adjust height of trough for week old, growing chicks or pullets. The four bladed reel is adjustable to three positions. Keeps the feed clean—eliminates waste.

No. 233N—36 inches long. Post paid, \$1.20; at Store, 95c.

No. 234N—48 inches long. Post paid, \$1.55; at Store, \$1.20.



CONE TOP FOUNTAINS

Roost proof, cone top with convenient carrying handle, makes this new fountain very desirable. Small chicks cannot get into the water and drown.

No. 81—One-gallon. Post paid, 85c; at Store, 70c.

No. 82—Two-gallon. Post paid, \$1.15; at Store, 95c.



THE DANDY DOUBLE WALL FOUNTAIN

Fills from top; easy to clean. Outer can slides easily over inner tank. Can be used for all fowls from 10 days old to grown. Top slopes sharply to prevent roosting.

No. 501½—1½ gals. Post paid, \$1.20; at Store, \$1.00.

No. 503—3 gals. Post paid, \$2.10; at Store, \$1.85.



CONE HEATERS

For use in any brooder that has a stationary light socket. More effective and economical than a light bulb.

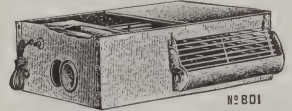
Price—post paid—60 or 100 watt, 60c.

MASON JAR FOUNTAIN



No. 69B—Made of strong sheet metal covered with firm coat of brilliant enamel which prevents rusting, therefore, lasts longer. Any standard fruit jar fits.

No. 69B—Each, Postpaid, 18c; 3 for 35c. At Store, each, 10c; 3 for 25c. No jar furnished.



"GRO-EZY" ELECTRIC BROODERS

New galvanized steel deflector above heating element saves 25 to 35% electricity. Ideal for baby chicks until 4 to 5 weeks old. Plug into ordinary light socket. Thermostat control provides correct heat after once properly adjusted. Chicks stand on wire, the most sanitary method of brooding. Eliminates 95% of chick mortality the first 3 weeks.

No. 801—Each, at Store, \$10.95.

P T Z (Phenothiazine) PELLETS. For worming hogs, cattle, sheep, goats, and poultry. This new drug has proven itself to be the most unusual worm expeller for the most domestic animals. It controls more types of worms in different animals than any other product. Farm animals do not grow rapidly or produce maximum work unless they are reasonably free of worms. When farm animals and poultry are heavily infested with parasites most of the feed consumed by them actually goes to feed the worms etc. instead of promoting growth and energy. Dr. Hess P T Z Pellets, the most effective and easily administered worm medicine for cattle, sheep, and goats. Each one gets the correct dosage. For adult sheep, or goats, give Two-13.5 gram pellets; for lambs or kids give One-13.5 gram or Two-8 gram pellets. For cattle give Two-13.5 gram pellets for each 200 lbs. live weight.

P T Z Small Pellets 8 gram. Postpaid, each, 6c; 50, \$2.40. At Store, each, 5c; 50, \$2.25.

P T Z Large Pellets 13.5 gram. Postpaid, each, 9c; 50, \$3.70. At Store, each, 8c; 50, \$3.50.

Forceps for administering the pellets—Postpaid, 60c; at Store, 50c.

P T Z POWDER—The most convenient form for worming poultry and hogs. Can also be used for worming sheep and goats. Just mix it with the feed as directed. 1 lb. P T Z Powder will treat 18 Sheep or Goats; 45 50-lb. Pigs; 30 Lambs or Kids; 9 200-lb. Calves; approximately 1,000 Adult Chickens or Turkeys.

Size	Postpaid	At Store
4 oz.	\$ 0.80	\$ 0.75
1 lb.	1.70	1.60
5 lbs.	7.45	7.30
10 lbs.	14.25	14.00



DOG FOODS AND REMEDIES

PEERLESS DOG RATION



Made of cereals meat, bone and other healthful items; the ration contains 35% meat. Fed dry or mixed with table scraps, or any liquid, it is the cheapest ration that can be procured. **Post paid—** 5 lbs., 60c; 10 lbs., 95c; 25 lbs., \$2.05. **At Store—** 5 lbs., 45c; 10 lbs., 70c; 25 lbs., \$1.50; 50 lbs., \$3.00; 100 lbs., \$5.50.

PEERLESS DOG CAKES—QUADS—

Is complete in all essential food elements—contain 40% meat. Has the largest meat content of any cereal and meat compounded food on the market today. High in mineral and vitamin content.

Post paid— 5 lbs., 65c; 10 lbs., \$1.00; 25 lbs., \$2.10. **At Store—** 5 lbs., 50c; 10 lbs., 75c; 25 lbs., \$1.55; 50 lbs., \$3.10; 100 lbs., \$5.75.

PEERLESS KIBBLE BISCUITS—

Made of fine clean beef, malt, wheat germ meal, yeast, and cod liver oil. Baked to perfection and kibbles are broken to the right size for convenient feeding. Try this economical well balanced dog food.

Post paid— 5 lbs., 65c; 10 lbs., \$1.25; 25 lbs., \$2.80. **At Store—** 5 lbs., 50c; 10 lbs., \$1.00; 25 lbs., \$2.25.

ONE SPOT FLEA KILLER

Dust on just one spot and kill all the fleas on the dog or cat.

Post paid— 30c and 55c. **At Store—** 25c and 50c.



You have no home if you have no dog

"TET"—Prevents and cures running, barking fits caused by worms: Indorsed by veterinarians.

Box for large dogs, \$1.00. Box for small dogs, \$1.00. ½ box either, 55c, post paid.

PULVEX REMEDIES

Complete directions with each package.

	Post	At
Pulvex Lice Powder	Paid	Store
(Canaries)	\$0.30	\$0.25
Pulvex Flea and Lice Powder		
(Dogs), 1 1/5 oz. ....	.30	.25
3 1/4 oz. ....	.55	.50
12 oz.	1.35	1.25
Sopex, 2 oz. ....	.55	.50
Pulvex Dog Soap .....	.30	.25
Pulvex Combination Worm		
Capsules—expel round,		
hook and tape worms—		
Box, dozen capsules.....	.55	.50

DRY YEAST FOR ANIMALS



can, 25c; 8-oz. can, 50c; 1-lb. can, 85c; 5-lb. can, \$3.50.

Helps to increase pep and general vitality, stimulate the appetite and aid digestion, produce a firmer and heavier coat, build stronger bones and muscles.

Post paid— 3 1/2-oz. can, 30c; 8-oz. can, 60c; 1-lb. can, 95c; 5-lb. can, \$3.75. **At Store—** 3 1/2-oz.

DR. HESS POULTRY AND STOCK PREPARATIONS

DR. HESS STOCK TONIC



A conditioner and mineral supplement for cows, horses and sheep. Increases appetite, aids digestion and promotes proper elimination. Tests show cows receiving tonic give about 15% more milk. Feeder cattle show average increased daily gain one-third pound per head. Conditions

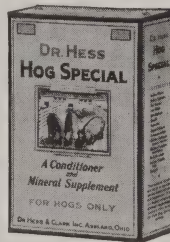
Valuable aid to calving, horses and mules for work.

	Prepaid	At Store
1 1/2 lbs.	\$.45	\$0.30
3 lbs. ....	.70	.55
7 lbs.	1.30	1.10
15 lbs.	2.40	2.10
25 lbs.	3.60	3.15

DR. HESS HOG SPECIAL

Conditioner and mineral supplement for hogs only. Tests show hogs reach market weight in less time on far less feed. Especially helpful for runty, unthrifty pigs and hogs.

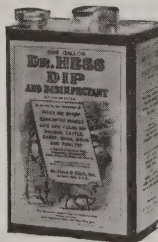
Post paid— 1 1/2 lbs., 45c; 3 lbs., 70c; 7 lbs., \$1.30; 15 lbs., \$2.40; 30 lbs., \$3.60. **At Store—** 1 1/2 lbs., 30c; 3 lbs., 55c; 7 lbs., \$1.10; 15 lbs., \$2.10; 25 lbs., \$3.15.



DR. HESS DIP AND DISINFECTANT

For use in stables, barns, poultry houses and for killing ticks, lice, mites and other parasites on livestock. Better and safer germicide than carbolic acid. Costs less to use than inferior products.

	Post	At
	Paid	Store
12-oz.	\$0.50	\$0.35
Quart .....	.80	.60
1/2-gal.	1.10	.90
1-gal.	1.80	1.55



GLOVER'S DOG REMEDIES

	At Store	Post Paid
Glover's Antiseptic Mouth Wash	\$0.49	\$0.60
Glover's Canker Medicine .....	.49	.60
Glover's Comp. Sulphur Tablets .....	.49	.55
Glover's Tonic Pills .....	.49	.60
Glover's Eye Lotion and Eye Wash Powder .....	.49	.60
Glover's Iron Tonic Liquid .....	.49	.60
Glover's Vermifuge Liquid .....	.49	.60
Glover's Catarrh and Flea Soap .....	.21	.27
Glover's Laxative Pills .....	.49	.55
Glover's Mange Medicine, 3 oz. ....	.35	.40
Glover's Mange Medicine, 6 1/2 oz. ....	.65	.75
Glover's Mange Ointment .....	.49	.60
Glover's Medicated Soap .....	.25	.30
Glover's Nerve Sedative (for fits) ..	.49	.60
Glover's Round Worm Capsules .....	.49	.55
Glover's Tape Worm Capsules .....	.49	.55
Imperial Capsules, for hook and round worms, Puppy size .....	.21	.27
Dog size .....	.21	.27

SERGEANT'S DOG MEDICINES

	At Store	Post Paid
Sergeant's Arsenic and Iron Pills.....	\$0.49	\$0.55
Sergeant's Canker Wash .....	.49	.60
Sergeant's Carbolic Tar Soap .....	.21	.27
Sergeant's Condition Pills .....	.49	.55
Pine Oil Disinfectant, 10 oz. ....	.49	.60
Diuretic Rheumatism Pills .....	.49	.55
Sergeant's Eye Wash .....	.49	.60
Sergeant's Intestinal Astringent—Diarrhea .....	.49	.55
Sergeant's Laxative Tablets .....	.49	.55
Sergeant's Liniment .....	.49	.60
Sergeant's Mange Medicine .....	.49	.70
Sergeant's Mouth Wash .....	.49	.60
Sergeant's Nerve Sedative—		
to relieve nervousness .....	.49	.55
Sergeant's Peppin Tablets .....	.49	.55
Sergeant's Puppy Worm Capsules ..	.49	.55
Sergeant's Skip Flea Powder, 2 oz. ....	.29	.35
Sergeant's Skip Flea Soap .....	.21	.27
Sergeant's Special Distemper .....	.98	1.15
Sergeant's Sureshot Worm Capsules for Dogs .....	.49	.55
Sergeant's Sureshot Liquid Wormer .....	.49	.60
Sergeant's Tape Worm Medicine .....	.49	.55
Sergeant's Vitapets, furnish all necessary vitamins .....	.49	.55

BURFEINDS BLACK CAPSULES

Formerly Called 60 Minute Wormer

Worm your pets with this quickest acting, safe and effective worm expeller for dogs, puppies, cats. Recommended for controlling tape worms and large round worms in dogs and cats. Harmless; easy to administer, no fasting, no bad effects. Just feed it in their food or give capsules, 1 capsule, dose for 2 to 3 lb. dog or cat.

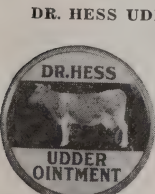
Post paid— 3 capsules dose for largest dog, 20c; doz., 70c. **At Store—** 3, 15c; doz., 60c.

DR. HESS POULTRY PAN-A-MIN



A conditioner and mineral supplement for poultry. Tests show that birds receiving Pan-A-Min regularly lay an average of 11% more eggs per year; baby chicks grow faster, mature earlier. Shortens moulting period. Costs but 10c per hen per year.

	Size	Prepaid	At Store
1 1/2-lb., 10 birds		\$.45	\$.30
3-lb., 20 birds .....		.70	.55
7-lb., 40 birds		1.30	1.10
15-lb., 90 birds		2.40	2.10
25-lb., 150 birds		3.60	3.15



DR. HESS UDDER OINTMENT

Penetrating, soothing, softening salve for bruised, caked or swollen udders, cracked or chapped teats and other bruises or superficial injuries.

Post paid— 7 oz., 60c; 1 lb., \$1.10. **At Store—** 7-oz. can, 50c; 1-lb. can, \$1.00.



POULTRY SUPPLIES

DR. HESS POULTRY WORM POWDER

A single dose flock treatment given in feed. Active principle, nicotine combined with other materials which make it insoluble until it reaches intestines where it is released full strength. Odorless, tasteless, non-toxic. Does not interfere with egg production or feed consumption.

Size	Prepaid	At Store
2 ozs., 50 birds.....	\$0.55	\$0.50
4 ozs., 100 birds.....	1.00	.90
10 ozs., 250 birds.....	2.00	1.90
1 1/4 lbs., 500 birds.....	3.15	3.00
2 1/2 lbs. 1000 birds.....	5.55	5.40

DR. HESS POULTRY TABLETS

Valuable in treatment of ROUP; slightly astringent, non-irritating and healing. Used as a local antiseptic and to medicate drinking water. Aids in preventing spread of disease. Once dissolved the solution needs no further stirring.

Post paid—30c, 55c and \$1.10 packages. At Store—25c, 50c and \$1.00 packages.

DR. HESS POULTRY WORM TABLETS

Use tablets for round worm control in chickens and turkeys. Each bird gets the correct dose and it is not necessary to take off of feed before treatment.

Postpaid	At Store
40 tablets.. \$.60	40 tablets.. \$.50
100 tablets.. 1.10	100 tablets.. 1.00
250 tablets.. 2.10	250 tablets.. 2.00
500 tablets.. 3.65	500 tablets.. 3.50
1000 tablets.. 6.70	1000 tablets.. 6.50

KRESO DIP

To control ticks, lice and minor skin diseases of sheep—swine, cattle, horses, dogs and poultry. Do not use on cats. A potent disinfectant for stables, kennels and poultry houses. Post paid—\$1.00, 65c; qt., 95c; 1/2 gal., \$1.25; gal., \$2.10. At Store—Pt., 50c; qt., 75c; 1/2 gal., \$1.00; gal., \$1.75; 5 gal., \$6.75.



WALKO DIARRHEA TABLETS—Contains Permanganate of Potash. If kept in baby chick drinking water from the time they are hatched it is almost certain to prevent diarrhoea. An effective aid in controlling roup and diarrhoea in older fowls. Post paid—50c and \$1.00.

AVICOL

Saves Baby Chicks—A safe and effective preventive in tablet form for Diarrhoea, in small and grown fowls. Post paid—50c and \$1.00.

Group Over

A quick acting aid in arresting simple colds which may develop into roup in poultry. Post paid, 55c and \$1.10. At Store, 50c and \$1.00.

PEAT MOSS POULTRY LITTER

Thoroughly vacuum cleaned by special patented process which removes excessive dust, dirt and non-absorbing fiber. Vacuum cleaning is your guarantee that you are not paying good money for dirt, refuse or any material which does not serve a useful purpose. Perhaps you have thought of poultry litter as an expense rather than an investment. With poultry droppings, it becomes a fertilizer highly prized by gardeners. You can actually resell this Poultry Peat Manure for more than you paid for it.

Price—1/2 bale, \$2.75; 1 bale, \$3.95.



LEG BANDS

SPIRAL—These slip on like a key ring; cannot drop off; easily removed. Available in red, blue, green, and black colors. Specify heavy or light breed.

ALUMINUM leg bands numbered, adjustable to all breeds. Either post paid—Dozen 10c; 50, 35c; 100, 50c.

GLASS CLOTH

Flexible, unbreakable, cheap and easy to use—cut it with scissors. The finest window material—tough, weather-proof and washable. Excellent for poultry houses, hotbeds, cold frames, windows, sleeping porches, etc. Admits 25 per cent more ultra-violet rays than glass and cheaper substitutes. Our glass cloth is stronger, more transparent and heavier than most competitive products. Comes in rolls 3 feet wide.

	Post Paid	At Store
1 to 5 yards, per yard..	25c	24c
10 to 25 yards, per yard..	24c	22c
Roll, 50 yards, per yard..		20c



The Original Louse Killing Roost Paint Simply paint the perches. It works while the chickens sleep. Post paid—1 oz., 35c; 5 oz., \$1.10; 1 lb., \$2.40; 2 lbs., \$3.50; 5 lbs., \$6.85; 10 lbs., \$11.95. At Store—oz., 32c; 5 oz., \$1.00; 1 lb., \$2.27; 2 lbs., \$3.30; 5 lbs., \$6.60; 10 lbs., \$11.65.

"BLACK LEAF" WORM PELLETS

If you prefer individual dosing, use "Black Leaf" Worm Pellets. The uncoated pellets are odorless and tasteless, containing "shockless" nicotine which is highly effective. Price—Post paid, Adult size, doz., 15c; 25, 25c; 50, 45c; 100, 85c; 500, \$3.25; 1,000, \$6.00. For 1 1/2 to 2-lb. chickens give one-half the easily broken adult size tablet.

GOLD LEAF TOBACCO POWDER

Controls round worm in poultry. Easy to use and very inexpensive. Mix 2 pounds of this extra fine quality Tobacco Powder in 100 pounds of mash. 2-lb. pkg., 25c; post paid, 40c; 10 lbs., 75c; post paid, \$1.00.

CHOLERINE—A special aid in preventing and treating cholera and diarrhoea. Equally effective in treating all fowls, young or old, when intestinal disorders develop. Excellent tonic and conditioner. Post paid—8 oz., 45c; 16 oz., 80c; 1 qt., \$1.25. At Store—8 oz., 35c; 16 oz., 65c; 1 qt., \$1.00.



TALCIMIZED SODIUM FLUORIDE

SODIUM FLUORIDE

Certain death to poultry lice when properly applied. Can be used as a dust or a dip. For dusting punch holes in the convenient sifter top can and shake powder in feathers of fowl.

	Each	Post Paid
1/2 lb. (for 40 chickens)...	35c	45c
1 lb.	60c	70c

DON SUNG—A very effective tonic and conditioner for maintaining necessary vigor in laying hens.

Price—Box, 45 tablets, 50c; large size box, 135 tablets, \$1. Post paid.



PRATT'S ZENE-A-TROL

(PHENO-THI-AZINE)

This product is tasteless and nontoxic when used as directed, and it is not necessary to starve the animals or fowls before treatment. Pratt's Zene-A-Trol contains the exact form of phenothiazine found most effective by the U. S. Department of Agriculture for worming hogs, sheep, horses and chickens. The ease of treatment combined with its low cost makes this product superior to any other herd or flock treatment worm medicine thus far developed. Pheno-Thi-Azine will remove more types of worms in more different animals and fowls than any other worm medicine. It is a powder which is mixed with the feed and given to the entire herd or flock at one time.

The 1 lb. pkg. treats approximately: Hogs—40, weighing 50 to 100 lbs. each. Sheep—20 Lambs or 14 Ewes. Horses—7. Chickens—1700 full grown, 3500 half grown. Other size pkgs. will treat a proportional number of animals or fowls.

Size	Prepaid	At Store
1/2 lb.	\$1.10	\$1.00
1 lb.	1.60	1.50
5 lb.	7.40	7.25

R. B. BUCHANAN SEED CO., MEMPHIS, TENN.

Ship to me by—Mail ☐ Express ☐ R. R. Freight ☐ Truck ☐
(Mark X in square for desired shipment)

Postoffice _____		State _____	
Rural _____	Box _____	Express or _____	
Route _____	No. _____	Freight office _____	(If Different from Your Post Office)

PLEASE DO NOT WRITE
IN THIS SPACE

Date _____
 Prices _____
 Zone _____
 Filled _____
 Checked _____
 Wt. _____ P. _____
 Shipped _____

No plants shipped C.O.D.

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TOTAL

BUCHANAN'S DAY-OLD BABY CHICKS



E-CON-O JR.

Will brood 100 to 150 chicks. Operates with 75 to 100W light bulb (not furnished). Ea. Postpaid \$2.50. At Store \$2.25.



E-CON-O SR.

Will brood 250 to 300 chicks. Operates with heating element furnished. Ea. At Store \$7.15.

E-CON-O ELECTRIC BROODERS

JR. SIZE will provide abundant warmth for up to 150 day-old chicks. This hover is made of strong fiber board with insulating properties to prevent loss of heat, and with heavy muslin cloth on all sides which reaches nearly to the floor thus retaining heat. Has heat reflector and 4 feet of rubber cord which can be plugged into any light socket.

SR. SIZE same as above except larger and has heating element furnished with thermostat. USE THESE METAL CONSERVING BROODERS THIS YEAR.

BABY CHICKS

WE GUARANTEE 100% LIVE DELIVERY

If you do not receive 100% of the number of chicks ordered, alive and in good condition, have your delivery agent sign a statement of loss and mail to us within 24 hours after receipt of shipment. We will replace or refund any shortage.

"A" QUALITY CHICKS

Shipping Charges Prepaid

"A" Quality Chicks are produced from high quality, well-matured stock. Every bird selected to meet all standard requirements of the breed. Produced from healthy, free-range flocks, thus insuring high livability and quick growth. Excellent for broilers and egg production.

	25	50	100
White and Brown Leghorns.....	\$3.00	\$5.75	\$10.50
Rhode Island Reds, Barred Rocks, New Hampshire Reds.....	3.15	6.00	11.00
White Rocks, White Wyandottes.....			
Buff Orpingtons.....			

"AA" SPECIAL QUALITY CHICKS

Shipping Charges Prepaid

Our "AA" Quality Chicks are from high-producing flocks. These flocks are mated with "AA" Quality Cockerels, and the chicks from them make an exceptionally good value for the money. These chicks are all from flocks blood tested under the supervision of our hatchery and are the most profitable chicks.

	25	50	100
White and Brown Leghorns.....			
Barred Rocks, Rhode Island Reds, Buff Orpingtons.....	\$3.25	\$6.25	\$12.00
White Rocks, White Wyandottes.....			
S. L. Wyandottes, Black Minorcas.....	3.75	7.25	13.75
Jersey White Giants.....			
Assorted Heavy Breeds, "A" Quality.....	3.00	5.75	10.50

PRATT'S POULTRY REMEDIES

PRATT'S POULTRY REGULATOR

Gives layers better appetites, digestion and health, enabling them to turn more feed into eggs. Less feed is wasted and this alone pays for the Regulator used.

Postpaid—1 lb. pkg. 40c; 2½ lbs., 60c; 6 lbs., \$1.20; 12½ lbs. \$1.90; 25 lbs. \$3.45. At Store—1 lb. pkg. 25c; 2½ lbs. 50c; 6 lbs. \$1.00; 12½ lbs. \$1.60; 25 lbs. \$3.00.

PRATT'S CHICK TABLETS

This remarkable product is both a bowel astringent and an antiseptic. It is floated on top of the water by a special ingenious float. From this float the drugs are fed constantly into the water from the top of the fountain. One tablet to quart water makes the most perfect diarrhea preventative.

Postpaid—(About 30 tablets), 30c. (About 75 tablets), 65c.

PRATT'S ANIMAL REGULATOR (A General Stock Tonic)

Supplies most necessary minerals and trace elements—those rare important minerals that help all livestock to build health, growth and big strong frames so necessary for profitable livestock production. Feed a little each day.

Price—Postpaid—1 lb., 40c; 2½ lbs., 65c; 6 lbs., \$1.20; 25 lbs., \$3.45. At Store—1 lb., 25c; 2½ lbs., 50c; 6 lbs., \$1.00; 25 lbs., \$3.00.

PRATT'S R-P TABLETS

A treatment for Roup and other types of colds. At the first signs of roup separate diseased birds and give each adult one R-P Tablet daily. Younger fowls portion of tablets. For flock treatment as a roup preventative dissolve one R-P Tablet in each quart of drinking water.

Postpaid—Small Size (about 75 tablets) 25c; Large Size (about 200 tablets) 55c. At Store—Small Size (about 75 tablets) 25c; Large Size (about 200 tablets) 50c.

PRATT'S SPLIT ACTION WORM CAPSULE

An Exclusive Patented Feature. It takes different drugs to eradicate different worms. Each worm treatment in Split Action Capsules acts separately and hours apart. More effective, less shocking to the bird.

Postpaid—Adult Size—Doz., 50, 60c; 100, \$1.00; 500, \$4.45; 1,000, \$8.50. Chick Size—Doz., 20c; 50, 50c; 100, 75c; 500, \$3.00; 1,000, \$5.75.

PRATT'S ROOST PAINT

It kills lice by contact and with nicotine fumes which remain deadly to lice for days. Simply apply a thin strip of Pratt's Roost Paint on top of roosts. Has an oil base which is readily soaked up and spread through the feathers.

Postpaid—2 oz., 40c; ½ pt., \$1.10; 1 pt., \$1.85. At Store—2 oz., 40c; ½ pt., \$1.00; 1 pt., \$1.75.

PRATT'S INHALANT

A new water soluble inhalant which gives better control of simple colds that often develop into deadly ravaging outbreaks of roup, bronchitis and pneumonia. Ready to use. Simply spray over the fowls. Its germ killing medicines mix readily with watery secretions of respiratory tract and coats the tissues with germ-killing medication.

Postpaid—Pt. 75c; Qt. \$1.25. At Store—Pt. 60c; Qt. \$1.00.

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Builds immunity to Bloody Coccidiosis. This new compound fed 1¼ lbs. to each 100 lbs. mash from one week before the chicks are allowed outside on the ground until 4 to 8 weeks thereafter builds up an effective protection against Bloody Coccidiosis.

Postpaid—Pkg. 1¼ lbs. 85c; 3½ lbs. \$1.40. At Store—Pkg. 1¼ lbs. 75c; 3½ lbs. \$1.25.

All items on this page except chicks postpaid through 3rd zone only.

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